2425 New Holland Pike, Lancaster, PA 17601 | 717-656-2300 | Fax: 717-656-2681 | www.LancasterLabs.com

Type I Data Package

Prepared for:

Stantec 1060 Andrew Drive Suite 140 West Chester PA 19380

Project: Amtrak Wilmington Soil Sample Collected on 05/04/16

SDG# ATB68

GROUP SAMPLE NUMBERS 1657619 8366782

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client.

Authorized by:

Dana M. Kauffman Manager

Long on Xayfman.

Date: 06/02/2016

Any questions or concerns you might have regarding this data package should be directed to your client representative, Loran Carter at (717) 556-7252.



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Sample Reference List for SDG Number ATB68 with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample			
Number	Client Sample ID	Collection Date	Date Received
8366782	B-17-W(9.0-9.3)	05/04/2016 15:10	05/05/2016 17:46

Method Summary/Reference for SDG# ATB68_I

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 · 717-656-2300 Fax: 717-656-2681 · www.lancasterlabs.com

00819 Solid Sample Pesticide Extract

Pesticides and/or PCBs are extracted from the sample using sonic probe with 1:1 methylene chloride and acetone. The extract is then concentrated and exchanged to hexane. Sulfuric acid, copper and florisil cleanups are performed to minimize matrix interferences.

Reference: Test Methods for Evaluating Solid Wastes, SW-846 Method 3550B, December 1996.

10225 PCBs in Solids by 8082/3550

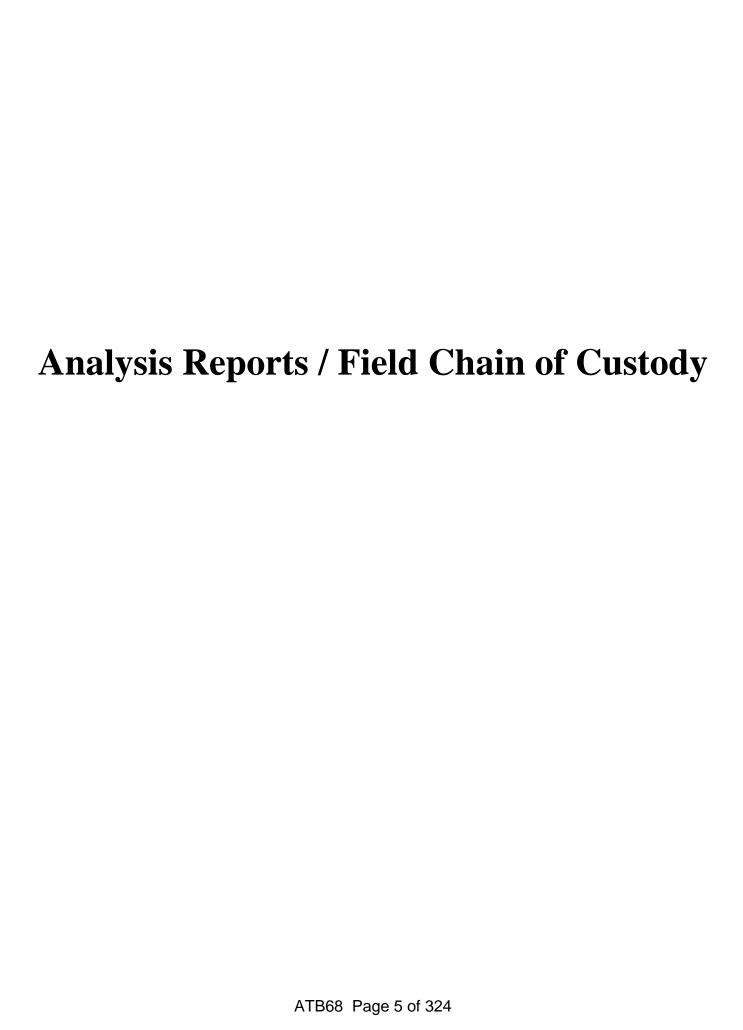
The sample is solvent-extracted and exchanged to hexane. Sulfuric acid and Florisil cleanups are performed to reduce potential matrix interferences. The extract is analyzed using gas chromatography on two capillary columns (primary and confirmation) with electron capture detectors.

Reference: Test Methods for Evaluating Solid Waste, SW-846 Method 8082, December 1996.

02111 Moisture

A well-mixed sample is heated by reflected infrared in an aluminum pan and dried to a constant weight. The decrease in weight in weight after drying is calculated as the moisture content.

Reference: Standard Methods for the Examination of Water and Wastewater, $20 \, \text{th}$ Edition, 1998, Method $2540 \, \text{G-}1997$



Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

ANALYTICAL RESULTS

Prepared by:

Prepared for:

Eurofins Lancaster Laboratories Environmental 2425 New Holland Pike Lancaster, PA 17601 Stantec 1060 Andrew Drive Suite 140 West Chester PA 19380

Report Date: May 06, 2016

Project: Amtrak Wilmington

Submittal Date: 05/05/2016 Group Number: 1657619 SDG: ATB68 PO Number: 213402048 State of Sample Origin: DE

Client Sample Description B-17-W(9.0-9.3) Grab Soil Lancaster Labs (LL) # 8366782

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/.

Electronic Copy To Stantec Electronic Copy To Stantec

Attn: Paul Miller Attn: Steve Baggett

Respectfully Submitted,

Amek Carter Specialist

(717) 556-7252



Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: B-17-W(9.0-9.3) Grab Soil

Amtrak Wilmington

LL Sample # SW 8366782 LL Group # 1657619 Account # 11289

Project Name: Amtrak Wilmington

Submitted: 05/05/2016 17:46

Reported: 05/06/2016 17:13

Collected: 05/04/2016 15:10 by JZ

1060 Andrew Drive

Suite 140

West Chester PA 19380

Stantec

A6801 SDG#: ATB68-01

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesti	cides/PCBs	SW-846 80	82	ug/kg	ug/kg	
10225	PCB-1016		12674-11-2	< 190	190	10
10225	PCB-1221		11104-28-2	< 190	190	10
10225	PCB-1232		11141-16-5	< 190	190	10
10225	PCB-1242		53469-21-9	< 190	190	10
10225	PCB-1248		12672-29-6	< 190	190	10
10225	PCB-1254		11097-69-1	< 190	190	10
10225	PCB-1260		11096-82-5	1,400	190	10
Wet C	hemistry	SM 2540 G	-1997	%	8	
02111	Moisture		n.a.	9.2	1.0	1
	"Moisture" represe infrared lamp at 1			e sample after	drying with an	

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	161260001A	05/06/2016 10:28	Kirby B Turner	10
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	161260001A	05/05/2016 19:45	Sally L Appleyard	1
02111	Moisture	SM 2540 G-1997	1	16127912201A	05/06/2016 06:54	Nancy J Shoop	1



Analysis Report

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Quality Control Summary

Client Name: Stantec Group Number: 1657619

Reported: 05/06/2016 17:13

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ
	ug/kg	ug/kg
Batch number: 161260001A	Sample number(s):	8366782
PCB-1016	< 17	17
PCB-1221	< 17	17
PCB-1232	< 17	17
PCB-1242	< 17	17
PCB-1248	< 17	17
PCB-1254	< 17	17
PCB-1260	< 17	17

LCS/LCSD

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 161260001A	Sample number	r(s): 83667	782						
PCB-1016	168	166.37			99		80-121		
PCB-1260	168	186.44			111		84-125		
	%	%	%	%					
Batch number: 16127912201A	Sample number	r(s): 83667	782						
Moisture	100	99.42			99		98-101		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 161260001A	number: 161260001A Sample number(s): 8366782 UNSPK: P363972									
PCB-1016	< 17	168	172.82	166	164.92	103	99	80-121	5	50
PCB-1260	< 17	168	186.31	165	182.74	111	111	84-125	2	50

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

^{*-} Outside of specification

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.

⁽²⁾ The unspiked result was more than four times the spike added.



Analysis Report

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Quality Control Summary

Group Number: 1657619 Client Name: Stantec

Reported: 05/06/2016 17:13

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

BKG Conc DUP Conc DUP RPD DUP RPD Max Analysis Name

> % %

Batch number: 16127912201A Sample number(s): 8366782 BKG: 8366782

30* Moisture 9.17 12.37

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PCBs in Solids by 8082/3550 Batch number: 161260001A

	Tetrachloro-m-xylene	Decachlorobiphenyl	
8366782	89	115	
Blank	119	115	
LCS	110	115	
MS	117	114	
MSD	120	121	
Limits.	16-119	49-139	

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

^{*-} Outside of specification

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.

⁽²⁾ The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

👯 eurofins

For Eurofins Lancaster Laboratories Environmental use only

Lancaster Laboratories Environmental

Acct. # 11289 Group # 1657619 Sample # 8366182

COC # 390139

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Sample Administration Receipt Documentation Log

Doc Log ID:

145522

Group Number(s): 1657619

Client: Stantec

Delivery and Receipt Information

Delivery Method:

ELLE Courier

Arrival Timestamp:

05/05/2016 17:46

Number of Packages:

1

Number of Projects:

1

State/Province of Origin:

DE

Arrival Condition Summary

Shipping Container Sealed:

No

Sample IDs on COC match Containers:

Yes

Custody Seal Present:

No

Sample Date/Times match COC:

Yes

Samples Chilled:

Yes

VOA Vial Headspace ≥ 6mm:

N/A

Paperwork Enclosed:

Yes

Total Trip Blank Qty:

0

Samples Intact:

Yes

Air Quality Samples Present:

No

Missing Samples:

No No

Extra Samples: Discrepancy in Container Qty on COC:

No

Unpacked by Patrick Engle (3472) at 18:40 on 05/05/2016

1.6

Samples Chilled Details

Thermometer Types:

DT = Digital (Temp. Bottle)

IR = Infrared (Surface Temp)

All Temperatures in °C.

Cooler # Thermometer ID

DT121

Corrected Temp

Therm. Type DT

Ice Type Wet

Ice Present?

Ice Container Bagged

Elevated Temp? Ν

Page 1 of 1

2425 New Holland Pike ATB68-, Page 0512 695324 Page 6 of 7

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL N.D.	Reporting Limit none detected	BMQL MPN	Below Minimum Quantitation Level Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
С	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
μg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	μL	microliter(s)
		pg/L	picogram/liter

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an

as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank

C - Result confirmed by reanalysis

E - Concentration exceeds the calibration range

J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)

P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.

U - Analyte was not detected at the value indicated

V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

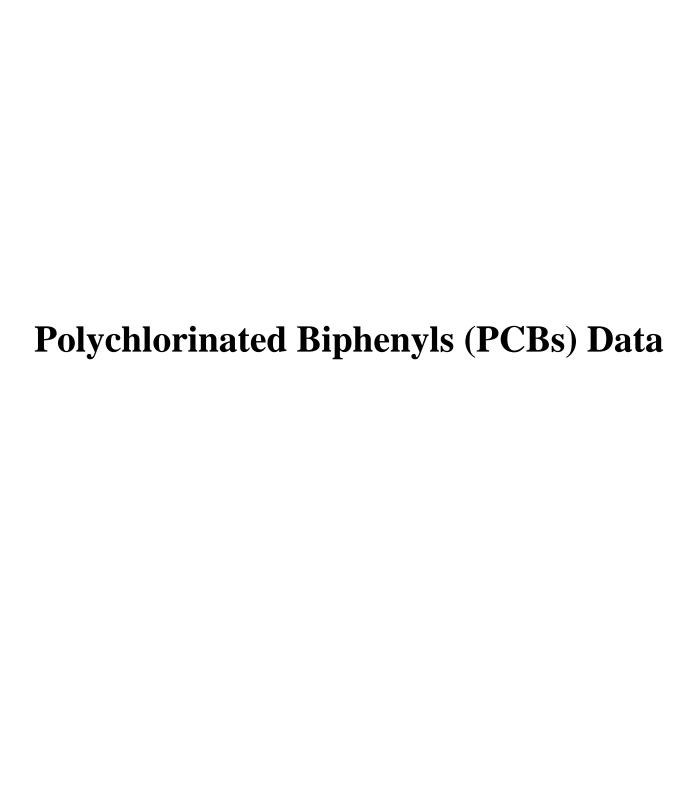
Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

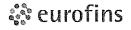
This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



Case Narrative/Conformance Summary Polychlorinated Biphenyls (PCBs)



Case Narrative/Conformance Summary

CLIENT: Stantec SDG: ATB68

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

		Mat			
Sample #	Client ID	Liquid	Solid	DF	Comments
8366782	B-17-W(9 0-9 3)		X	10	

See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

CALIBRATION/STANDARDIZATION:

(Sample number(s): 8366782: Analysis: 10225) For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one column and within criteria on the second column affected analytes are reported from the compliant column. The sample raw data identifies the column used to report each analyte.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

MS/MSD

Matrix QC may not be included if site-specific QC were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, laboratory spike data (LCS) are provided.

SAMPLE ANALYSIS:

No problems were encountered with the analysis of the samples.



Case Narrative/Conformance Summary

CLIENT: Stantec SDG: ATB68

Pesticide Residue Analysis Fraction: Polychlorinated Biphenyls (PCBs)

Abbreviation Key

UNSPK = Unspiked (for MS/MSD)	LOQ = Limit of Quantitation
+MS = Matrix Spike	MDL = Method Detection Limit
MSD = Matrix Spike Duplicate	ND = Not Detected
BKG = Background (for Duplicate)	J = Estimated Value
D = Duplicate (DUP)	E= out of calibration range
LCS = Lab Control Sample	RE = Repreparation/Reanalysis
LCSD = Lab Control Sample Duplicate	* = Out of Specification

Quality Control and Calibration Summary Forms

Polychlorinated Biphenyls (PCBs)



Quality Control Reference List Pesticide Residue Analysis

CLIENT: Stantec SDG: ATB68

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis

PCBs in Solids by 8082/3550

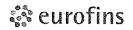
Batch Number

161260001A

Sample Number

PBLK01126 LCS01126 8366782 **Analysis Date** 05/06/2016 10:05:00 05/06/2016 10:17:00

05/06/2016 10:28:00



Quality Control Summary Method Blank Pesticide Residue Analysis SDG: ATB68

Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

161260001A / PBLK01126 Analyte	Analysis Date	Blank Results	Units	MDL	LOQ
PCB-1016	05/06/16	N.D.	ug/kg	3.3	17
PCB-1221	05/06/16	N.D.	ug/kg	5.1	17
PCB-1232	05/06/16	N.D.	ug/kg	4.1	17
PCB-1242	05/06/16	N.D.	ug/kg	4.1	17
PCB-1248	05/06/16	N.D.	ug/kg	3.3	17
PCB-1254	05/06/16	N.D.	ug/kg	4.4	17
PCB-1260	05/06/16	N.D.	ug/kg	3.9	17

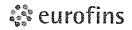


Quality Control Summary Surrogates Pesticide Residue Analysis SDG: ATB68

Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

161260001A	Decachlor	obiphenyl	Tetrachloro-m-xylene			
	Spike Added	9.75 ug/kg	Spike Added	9.75 ug/kg		
Sample	% Recovery	Limits	% Recovery	Limits		
PBLK01126	115	49 - 139	119	46 - 148		
LCS01126	115	49 - 139	110	46 - 148		
8366782	115	49 - 139	89	46 - 148		



Quality Control Summary Laboratory Control Standard (LCS) Laboratory Control Standard Duplicate(LCSD)

SDG: ATB68 Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS01126	Batch: 161260	Batch: 161260001A (Sample number(s): 8366782)							
Analyte	Spike Added ug/kg	LCS Conc ug/kg	LCSD Conc ug/kg	LCS %Rec	LCSD %Rec	%Rec Limits	%RPD	%RPD Limits	
PCB-1016	168	166.37	NA	99	NA	80-121	NA	NA	
PCB-1260	168	186.44	NA	111	NA	84-125	NA	NA	

6D **INITIAL CALIBRATION - RETENTION TIME SUMMARY**

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274A

Calibration File: 25PCBS1611601

GC Column (1): MR-1

ID: 0.32 (mm)

Update File:

Date(s) Analyzed: 4/25/2016

4/25/2016

	·	RT O	F STANDA	MIDPOINT	RT WIN	IDOW		
	LEVEL 1		LEVEL 3	LEVEL 4		l	FROM	то
Tetrachloro-m-xylene	3,02		3.02		3.02		2.99	3.05
Decachlorobiphenyl	• 6.77	6.77	6.77	6.77	6.77	6.77	6.74	6.80

6E **INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY**

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274A

Calibration File: 25PCBS1611601

GC Column (1): MR-1

ID: <u>0.32 (mm)</u>

Date(s) Analyzed: 4/25/2016 4/25/2016

		CALIBRATION FACTORS							
COMPOUND	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	%RSD		
Tetrachloro-m-xylene	2.16E+05	1.88E+05	1.72E+05	1.68E+05	1.60E+05	1.81E+05	12		
Decachlorobiphenyl	1.11E+05	9,08E+04	8.42E+04	8.25E+04	7.92E+04	8.94E+04	14		

Average % RSD: 13

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.: .

SAS No.:

SDG No.:

Instrument: 18274A

Calibration File: 25PCBS1611601

GC Column (1): MR-1

ID: 0.32 (mm)

Date(s) Analyzed: 4/25/2016

4/25/2016

			RT WII	WDOW	CALIBRATION	AVERAGE		AMOUNT	PEAK	
COMPOUND	PEAK	RT	FROM	TO	FACTOR -	CF	LEVEL		HEIGHT	%RSD
Aroclor-1016	1 1	3.29	3.27	3.31	4078	3316	1	50	203896	17
·					3655		2	100	365466	
	1 1				3259		3	200	651886	
1					2875		4	500	1437727	
]]	}			2712		5	1000	2711605	
	2	3.50	3.48	3.52	4319	3454	1	50	215968	17
				•	3664		2	100	366377	
					3433		3	20 d	686676	
					3015		4	500	1507407	
				,	2841		5	1000	2841139	
	3	3.62	3.60	3.64	5102	4172	1	50	255118	15
]				4438		2	100	443842	
	1				4054		3	200	810797	
					3823		4	500	1911419	
		ļ			3442		5	1000	3442191	
	4	3.85	3.83	3.87	· 5620	4729	1	50	281011	14
					5120		2	100	512046	
					4694		3	200	938822	
					4215		4	50 q	2107562	
					3996	,	5	1000	3996020	
	5	3.91	3.89	3.93	4788	4150	1	50	239401	11
					4404		2	100	440356	
		ļ			4115		3	200	823030	
	·	1			3823		4	500	1911363	
	1	į			3623		5	1000	3622825	
	6	4.11	4.09	4.13	3825	3162	1	50	191246	15
					3344		2	100	334395	
		į			3242		3	200	648448	
					2777		4	500	1388381	
					2623		5	1000	2623480	
Aroclor-1221	11	3.18	3.16	3.20	1740	1740	1	200	347901	d
	2	3.24	3.22	3.26	1491	1491	1	200	298102	0
	3	3.28	3.26	3.30	4612	4612	1	. 200	922463	0
Aroclor-1232	1 1	3.29	3.27	3.31	3944	3944	1	200	788711	0
	2	3.50	3.48	3.52	1604	1604	1	200	320770	0
	3	3.62	3.60	3.64	2011	2011	1	200	402247	o
	4	3.85	3.83	3.87		2232	1	200	446463	o
	5	3.91	3.89	3.93		1934	1	200	386844	0
	6	4.11	4.09	4.13		1345	1	200	269036	0

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

SAS No.:

SDG No.:

Instrument: 18274A

Case No.:

Calibration File: 25PCBS1611601

GC Column (1): MR-1

ID: <u>0.32 (mm)</u>

Date(s) Analyzed: 4/25/2016

4/25/2016

			RT WIN	DOW	CALIBRATION	AVERAGE		AMOUNT	PEAK	
COMPOUND	PEAK	RT	FROM	то	FACTOR	CF	LEVEL		HEIGHT	%RSD
Aroclor-1242	1	3.28	3.26	3,30	2475	2475	1	200	495051	o
	2	3.50	3.48	3.52	2624	2624	1	200	524744	o
	3	3.62	3.60	3.64	3059	3059	1	200	611860	9
	4	3.84	3.82	3,86	3382	3382	1	200	676371	0
•	5	3.91	3.89	3.93	2991	2991	1	200	598184	q
	6	4.10	4,08	4.12	2376	2376	1	200	475119	d
Aroclor-1248	1	3.91	3.89	3.93	2841	2361	1	50	142029	15
					2555		2	100	255489	
					2321		3	200	464112	1
	1 1				2103		4	500	1051655	
,					1986		5	1000	1986223	
	2	3.97	3.95	3.99	4793	4089	1.	50	239640	13
					4397		2	100	439745	
					4042		3	200	808345	
					3744		4	500	1871952]
•					3468		5	1000	3468085	
	3	4.10	4.08	4.12	5299	4491	1	50	264938	13
					4707		2	100	470671	
		j			4545		3	200		
					4127		4	500	2063308	
					3777	ļ	5	1000	3776767	
	4	4.20	4.18	4.22	4487	3834	1	50		13
					4148		2	100	414770	
					3810		3	200	762072	
					3457		4	500	1728270	
					3267		5	1000	3267453	
	5	4.36	4.34	4.38	4055	3498	1	50	202743	12
					3812	WARRIED	2	100	381225	
					3331		3	200	666288	
					3205	st water	4	500	1602732	
					3085		5	1000	3084742	
,	6	4.78	. 4.76	4.80	3571	2984	1	50	178539	15
			1		3330		2	100	332982	
					2924		3	200	584737	
					2616	***************************************	· 4	500	1307960	
					2481		5	1000	2481435	

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274A

Calibration File: 25PCBS1611601

GC Column (1): MR-1

ID: <u>0.32 (mm)</u>

Date(s) Analyzed: 4/25/2016 4/25/2016

			RT WIN	DOW	CALIBRATION	AVERAGE		AMOUNT	PEAK	
COMPOUND	PEAK	RT	FROM	то	FACTOR	CF	LEVEL		HEIGHT	%RSD
Aroclor-1254	1	4.36	4.34	4.38	5671	4844	1	50	283563	14
					5372		2	100	537224	
					4713	;	3	250	1178200	
					4370		4	500	2184964	
					4091		5	1000	4091330	
	2	4.72	4.70	4.74	5512	4753	1	50	275610	13
		***************************************			5252		2	100	525193	
		i			4651		3	250	1162631	
					4404		4	500	2202068	
					3946		5	1000	3945766	
	3	4.78	4.76	4.80	10454	8867	1	. 50	522709	14
					9788		2	100	978833	
-					8716		3	250	2178997	
					7913		4	500	3956556	
					7462	-	5	1000	7462444	
	4 .	4.91	4.89	4.93	3497	2864	1	50	174857	16
					3188	.	2	100	318824	
					2762		3	250	690622	
					2489	***************************************	4	500	1244728	
	į į				2383		5	1000	2382648	
	5	5.00	4.98	5.02	7131	6014	1	50	356573	14
					6522		2	100	652182	
		1			5902		3	250	1475566	
		[5504		4	500	2752018	
	***************************************				5009	7	5	1000	5008729	
	6	5.21	5.19	5.23	5814	5200	1	50	290711	13
					5935		2	100	593518	
		-			5021		3	250	1255207	
				ŀ	4870		4	500	2435064	
		ĺ		ļ	4359	.	5	1000	4359352	

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274A

Calibration File: 25PCBS1611601

GC Column (1): MR-1

ID: <u>0.32 (mm)</u>

Date(s) Analyzed: 4/25/2016

	Ť		RT WIN	IDOW	CALIBRATION	AVERAGE		AMOUNT	PEAK	
COMPOUND	PEAK	RT	FROM	TO	FACTOR	CF	LEVEL		HEIGHT	%RSD
Aroclor-1260	1	4.91	4.89	4.93	7673	6436	1	50	383625	15
					7004		2	100	700381	
					6479		3	200	1295721	
			1		5640		4	500	2820039	1
		7			5386		5	1000	5386488	
	2	5.21	5.19	5.23	4840	3996	1	50	242002	15
					4311		2	100	431081	
		·	ŀ		3928		3	200	785659	
					3560		4	500	1779846	
			İ		3341		5	1000	3340782	
	3	5.38	5.36	5.40	5117	4293	1	50	255832	15
					4687		2	100	468702	
					4292		3	200	858397	
			1.		3683		4	500	1841409	
					3684		5	1000	3684346	
	4	5.55	5.53	5.57	6309	5311	1	50	315467	14
					5784		2	100	578365	
			ŀ		5223		3	200	1044593	
					4715		4	500	2357718	
					4525		5	1000	4525066	
	5	5.79	5.77	5.81	13153	11268	1	50	657646	13
			-		12046		2	100	1204577	
					11422		3	200	2284461	
•					10255		4	500	5127468	
					9465		5	1000	9465241	[]
,	6	5.99	5.97	6.01	7509	6364	1	50	375436	13
					6833		2	100	683344	ļ
			ļ		6250		3	200	1249933	! !
			-		5781		4	500	2890311	
					5449		5	1000	5448774	
Aroclor-1262	1	5.38	5.36	5.40	8150	8150	1	200	1629920	l d
	2	5.55	5.53	5.57	6694	6694	1	200	1338769	d
	3	5.78	5.76	5.80	15314	15314	1	200	3062826	l o
	4	5.99	5.97	6.01	8531	8531	1	200	1706129	· o
	5	6.04	6.02	6.06	4606	4606	1	200	921213	o
	6	6.42	6.40	6.44	5323	5323	1	200	1064566	q

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274A

Calibration File:

25PCBS1611601

GC Column (1): MR-1

ID: 0.32 (mm)

Date(s) Analyzed: 4/25/2016

		1	RT WII	MOON	CALIBRATION	AVERAGE		AMOUNT	PEAK	
COMPOUND	PEAK	RT	FROM	TO	FACTOR	CF	LEVEL		HEIGHT	%RSD
Aroclor-1268	1	5.99	5.97	6.01	16008	16008	1	200	3201585	0
	2	6.05	6.03	6.07	13669	13669	1	200	2733873	0
	3	6.18	6.16	6.20	13389	13389	1	200	2677859	0
	4	6.24	6.22	6.26	3422	3422	1	200	684488	O
	5	6.42	6.40	6.44	5355	5355	1	200	1071088	0
	6	6.62	6.60	6.64	33366	33366	1	200	6673158	O

Page 5 of 5

FORM VI-3

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File Name:

V:\CP25\25PCBS1611601.CAL

Version:

Creator:

Description:

Reason for change:

External standard calibration

Standard injection volume:

No sample weight correction

Area reject threshold:

Reference peak area reject threshold:

Amount units:

0 ug/l

0

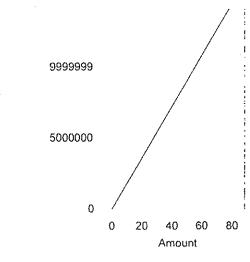
No default component

Method of calculating data point averages: Current update equal to cal data Print calibration update report

All levels are normal data points.



1



Expected retention time: Search window:	3.024 minutes 0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0 .
	•

Single peak quantification by height

Y = 180774 X + 0

Average CF fit with equal weighting, forced to origin Coefficient of determination: 0.960921 Average error: 9.342% Average CF: 180774 12.285% RSD:

Level	Amount	Response	Cal Factor	Error, %
1	4.01	866622.7	216115.4	19.550
2	20.05	3762414	187651.6	3.805
3	40.1	6898314	172027.8	-4.838
4	60.952	1.026988E+07	168491.3	-6.795
5	80.2	1.279864E+07	159584	-11.722

Source								
\\USLA	N-CHROMP	ERF\CHRON	IPERFECT	DATA\DE	PT-24\ACTIV	VE\CP25\25P6	CBS16116001	.0007.BND
\\USLA	N-CHROMP	ERF\CHRON	IPERFECT	-DATA\DE	PT-24VACTIV	VE\CP25\25P0	CBS16116001	.0008.BND
NUSLA	N-CHROMP	ERF\CHRON	IPERFECT	DATA\DE	PT-24\ACTIV	VE\CP25\25P0	CBS16116001	,0009.BND
\\USLA	N-CHROMP	ERF\CHRON	APERFECT	DATA\DE	PT-24VACTIV	VE\CP25\25P6	CBS16116001	.0010.BND
\\USLA	N-CHROMP	ERF\CHRON	IPERFECT	DATA\DE	PT-24\ACTIV	VE\CP25\25P6	CBS16116001	.0011.BND

2 DCB Dat

4/2: 4/2: 4/2: 4/2:

6.77 minutes 0.03 minutes

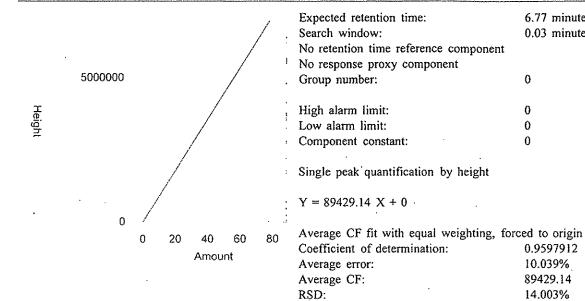
0.9597912

10.039%

89429.14

14.003%

0



Level	Amount	Response	Cal Factor	Error, %	Source	D:
1	4.004	442489.3	110511.8	23.575	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001.0007.BND	4/:
2 .	20.02	1817629	90790.66	1.522	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001.0008.BND	4/.
3	40.04	3369833	84161.66	-5.890	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001.0009.BND	4/;
4	60.86	5022415	82524.07	-7.721	\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCB516116001.0010.BND	4/;
5	ደብ ብደ	6338932	7015740	-11 486	WISLAN-CHROMPERE/CHROMPERECT-DATA/DEPT-24/ACTIVE/CP25/25PCR516116001.0011.BND	4/

6D **INITIAL CALIBRATION - RETENTION TIME SUMMARY**

Lab Name: <u>Lancaster Laboratories</u>

Contract:

Lab Code:

SAS No.:

SDG No.:

Instrument: 18274B

Calibration File:

25PCBS1611601B

GC Column (2): MR-2

ID: 0.32 (mm)

Case No.:

Update File:

Date(s) Analyzed: 4/25/2016

		RT O	F STANDA	MIDPOINT RT WINDO		DOW		
COMPOUND	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	RT	FROM	то
Tetrachloro-m-xylene	2.68	2.68	2.68	2.68	2.68	2.68	2.65	2.71
Decachlorobiphenyl	6.21	6.21	6.21	6.21	6.21	6.21	6.18	6.24

Page 1 of 1

FORM VI-1

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6E INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274B

Calibration File: 25PCBS1611601B

GC Column (2): MR-2

ID: 0.32 (mm)

Date(s) Analyzed: 4/25/2016

	<u> </u>	CALIBRATION FACTORS									
COMPOUND	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MEAN	%RSD				
Tetrachloro-m-xylene	2.12E+05	2.17E+05	2.24E+05	2.28E+05	2.20E+05	2.20E+05	3				
Decachlorobiphenyl	1.38E+05	1.32E+05	1.28E+05	1.30E+05	1.26E+05	1.31E+05	4				

Average % RSD:

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

SAS No.:

SDG No.:

Instrument: 18274B

Case No.:

Calibration File: 25PCBS1611601B

GC Column (2): MR-2

ID: 0.32 (mm)

Date(s) Analyzed: 4/25/2016 4/25/2016

	1	·······	RT WII	NDOW	CALIBRATION	AVERAGE		AMOUNT	PEAK	
COMPOUND	PEAK	RT	FROM	то	FACTOR	CF	LEVEL		HEIGHT	%RSD
Aroclor-1016	1	2.97	2.95	2.99	4001	3575	1	50	200062	9
					3770		2	100	377032	
					3576		3	200	715116	
	***				3332	·	4	500	1665858	
					3196		5	1000	3196216	
	2	3.30	3.28	3.32	4939	4447	1	50	246955	9
	1				4756		2	100	475582	
					4338		3	200	867686	
					4102		4	500	2050937	
					4099		5	1000	4099228	
	3	3.49	3.47	3.51	5522	4966	1	50	276111	8
					4922		2	100	492163	
No.					5081		3	200	1016138	
					4877		4	500	2438630	
					4428		5	1000	4428176	
	4	3.57	3.55	3.59	5440	5167	1	5Q	272020] 3
					5175		2	100	517543	
·					5152		3	200	1030499	
					5069		4	500	2534529	
					4997		5	1000	4997203	
	5	3.73	3.71	3.75	4824	4420	1	50	241213	7
					4607		2	100	460735	
					4325		3	200	864971	
•	İ				4175		4	500	2087258	
	l	İ			4168		5	1000	4168189	
	6	3.82	3.80	3.84	3899	3661	1	50	194926	4
					3755	***************************************	2	100	375527	
Acad					3521		3	200	704212	
					3598	334	4	500	1798988	1
***************************************					3533		5	1000	3533274	
Aroclor-1221	1	2.85	2.83	2.87	2104	2104	1	200	420730	0
	2	2.91	2.89	2.93	1226	1226	1	200	245126	0
	3	2.97	2.95	2.99	5390	5390	1	200	1078078	0
Aroclor-1232	1	2.96	2.94	2.98	4405	4405	1	200	880944	0
	2	3.30		3.32	2099	2099	1	200	419751	0
	3	3,49		3.51	2250	2250	1	200	450093	0
	4	3,57		3.59	1	2277	1	200	455489	o
	5	3.73	į.	3.79	1	1796	1	200	359115	0
	6	3.82		3.84	1	1628	1	200	325530	1 1

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

SAS No.:

SDG No.:

Instrument: 18274B

Case No.:

Calibration File: 25PCBS1611601B

GC Column (2): MR-2

ID: 0.32 (mm)

Date(s) Analyzed: 4/25/2016

			RT WIN	DOW	CALIBRATION	AVERAGE		AMOUNT	PEAK	
COMPOUND	PEAK	RT	FROM	то	FACTOR	CF	LEVEL	• •	HEIGHT	%RSD
Aroclor-1242	1	2.96	2.94	2.98	2735	2735	1	200	547048	0
	2	3.30	3,28	3.32	3218	3218	1	200	643563	0
	3	3.49	3.47	3.51	3543	3543	1	200	708672	0
	4	3.57	3.55	3,59	3763	3763	1	200	752655	0
	5	. 3.73	3.71	3.75	3224	3224	1	200	644805	l o
	6	3.82	3.80	3.84	2796	2796	1	200	559268	l o
Aroclor-1248	1	3.60	3.58	3.62	5400	5052	1	5 d	269996	5
	1				5231		2	100	523080	
					4930		3	200	985977	
			,		4972		4	500	2486001	
					4729		5	1000	4728830	
	2	3.73	3.71	3.75	6575	6246	1	50	328746	4
					6467		2	100	646653	
					6040		3	200	1207920	
		, ,			6114		4	500	3056900	
					6033		5	1000	6032981	
	3	3.82	3.80	3.84	4598	4367	1	50	229915	3
					4298		2	100	429829	
					4380		3	200	875956	
					4286		4	500	2142984	
					4270		5	1000	4270444	
	4	3.96	3.94	3.98	8689	8545	1	50	434454	1 4
					8480		2	100	848044	
					8335		3	20,0	1666900	
					8700		4	500	4350232	
					8523		5	1000	8522697	
	5	4.32	4.30	4.34	3708	3430	1	50	185412	6
					3537		2	100	353674	
					3403		3	200	680501	
					3234		4	500	1616886	
					3267		5	1000	3266800	
	6	4.49	4.47	4.51	2298	2214	1	50	114907	3
	****				2268		2	100	226819	
	***				2171		3	200	434170	
	Ī				2143		4	500	1071370	
,					2192		5	1000	2192394	

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274B

Calibration File: 25PCBS1611601B

GC Column (2): MR-2

ID: 0.32 (mm)

Date(s) Analyzed: 4/25/2016

:			RT WIN	NDOW	CALIBRATION	AVERAGE		AMOUNT	PEAK	T i
COMPOUND	PEAK	RT	FROM	ТО	FACTOR	CF	LEVEL		HEIGHT	%RSD
Aroclor-1254	1	4.26	4.24	4.28	6713	6532	1	50	335673	3
					6742		2	100	674231	
					6360		3	250	1589976	
					6359		4 '	500	3179264	
	į l		ŀ		6487		5	1000	6487401	
·	2	4.33	4.31	4.35	11126	10713	1	50	556298	6
					11248		2	100	1124778	
			İ		9675		3	250	2418717	
					10957		4	500	5478560	
					10557		5	1000	10556810	
	3	4.42	4.40	4.44	5320	5020	1	5 0	265995	5
		}	l		5211		2	10 0	521050	'
					4974		3	250	1243554	
			•		4781		4	50 d	2390406	
•					4813		5	1000	4813442	
	4	4.49	4.47	4.51	7549	7431	1	5 0	377449	2
			İ		7534		2	100	753361	
					7182		3	250	1795478	
		į			7478		4	500	3738758	
			:		7412		5	1000	7412084	
-	5	4.56	4.54	4.58	4609	4313	1	50	230454	5
					4432	•	2	100	443161	
					4261		3	250	1065322	
					4102		4	500	2050904	
				•	4162		5	1000	4161878	
	6	4.71	4.69	4.73	5299	5231	1	50	264942	. 3
					5173		2	100	517345	
					5000		3	250	1249981	
			***************************************		5298		4	500	2648951	
		***			5385		5	1000	5385137	

Lab Name: <u>Lancaster Laboratories</u>

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274B

Calibration File: 25PCBS1611601B

GC Column (2): MR-2

ID: 0.32 (mm)

Date(s) Analyzed: 4/25/2016 4/25/2016

		T	· RT WIN	DOW	CALIBRATION	AVERAGE		AMOUNT	PEAK	
COMPOUND	PEAK	RT	FROM	то	FACTOR	CF	LEVEL	-	HEIGHT	%RSD
Aroclor-1260	1	4.42	4.40	4.44	8771	8477	1	50	438567	2
					8408		2	100	840767	
					8343		3	200	1668680	
					8407		4	500	4203641	
					8455		5	1000	8454999	
·	2	4.56	4.54	4.58	10556	9980	1	50	527784	4
					9896		2	100	989553	
					9522		3	200	1904300	
					10049		4	500	5024527	
					9879		5	1000	9878776	
	3	4.66	4.64	4.68	8568	8256	1	50	428421	3
					8463		2	100	846307	
					8057		3	200	1611306	
					8136		4	500	4067796	
	١ ٠ ١				8058		5	1000	8057666	
	4	5.02	5.00	5.04	6552	6016	1	50	327594	6
					6187		2	100	618698	
					6009		3	200	1201750	
				-	5665		4	500	2832679	
					5668		5	1000	5668250	
	5	5.21	5.19	5.23	13724	13905	1	50	686178	3
					13397		2	100	1339707	
	1 [}		13740		3	200	2748094	
					14333		4	500	7166526	
and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t		***************************************			14332		5	1000	14332390	
	6	5.47	5.45	5.49	9388	9329	1	50	469399	1
		***************************************			9414		2	100	941399	
					9220		3	200	1844081	
		-	1		9197		4	500	4598340	
		1	}		9426		5	1000	9425692	
Arocior-1262	1	4.82	4.80	4,84	10341	10341	1	200	2068128	0
	2	5.02	5.00	5.04	10210	10210	1	200	2042089	0
	3	5.21	5.19	5.23	20505	20505	1	200	4100980	q
***************************************	4	5.43	5.41	5.45		7765	1	200	1553001	q
	5	5.47	5.45	5.49		13482	1	200	2696485	d
	6	5.85	5.83	5.87	6609	6609	1	200	1321893	o

Page 4 of 5

FORM VI-3

ATB68 Page 36 of 324

6F INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274B

Calibration File: 25PCBS1611601B

GC Column (2): MR-2

ID: <u>0.32 (mm)</u>

Date(s) Analyzed: 4/25/2016

			RT WI	MOON	CALIBRATION	AVERAGE		AMOÚNT	PEAK	
COMPOUND	PEAK	RT	FROM	то	FACTOR	CF	LEVEL		HEIGHT	%RSD
Aroclor-1268	1	5.43	5.41	5.45	21744	21744	1	200	4348740	. 0
	2	5.47	5.45	5.49	21184	21184	1	200	4236868	0
	3	5.63	5.61	5.65	17915	17915	1	200	3582936	0
	4	5.70	5.68	5.72	4186	4186	1	200	837174	O
	5	5.85	5.83	5.87	6792	6792	1	200	1358485	0
, .	6	6.05	6.03	6.07	51467	51467	1	200	10293310	o

File Name:

V:\CP25\25PCBS1611601b.CAL

ug/l

Version:

10

Creator:

Description:

Reason for change:

External standard calibration

Standard injection volume:

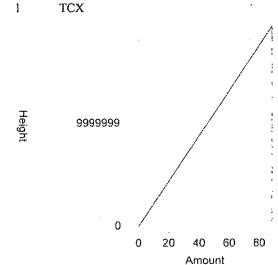
No sample weight correction

Area reject threshold: 0
Reference peak area reject threshold: 0

Amount units: No default component

Method of calculating data point averages: Current update equal to cal data Print calibration update report

All levels are normal data points.



Expected retention time:	2.68 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0
Single peak quantification by height	

Y = 220207 X + 0

Average CF fit with equal weighting, forced to origin Coefficient of determination:

Average error:

Average CF:

220207

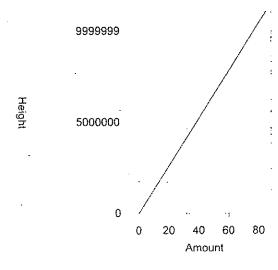
RSD:

2.779%

Level	Amount	Response	Cal Factor	Error, %	Source
1	4.01	849527.6	211852.3	-3.794	\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\Z5PCB\$16116001B.0007.BND
2	20.05	4350646	216989.8	-1.461	\\USLAN-CHROMPERF\\CHROMPERFECT-DATA\\DEPT-24\\ACTIVE\\CP25\\25PCB\$16116001B.0008.BND
3	40.1	8990089	224191.8	1.810	\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0009.BND
4	60.952	1.386868E+07	227534.5	3.328	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\\DEPT-24\ACTIVE\CP25\\Z5PCB\$16116001B.0010.BND
\$	80.2	1.768143E+07	220466.7	0.118	\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\Z5PCB\$16116001B.0011.BND

2 DCB

Printed on 4/25/2016 10:14:23 PM



Expected retention time: Search window: No retention time reference component	6.212 minutes 0.03 minutes
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0
Single peak quantification by height	

Y = 130691.8 X + 0

Average CF fit with equal weighting, forced to origin Coefficient of determination:

Average error:

Average CF:

130691.8

RSD:

3.734%

Level	Amount	Response	Cal Factor	Error, %
1	4.004	554247.5	138423.4	5.916
2	20.02	2633064	131521.7	0.635
3	40.04	5114950	127746	-2.254
4	60.86	7921581	130160.7	-0.406
5	80.08	1.005863E+07	125607.3	-3.890

Source
\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0007.BND
\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0008.BND
\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0009.BND
\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0010.BND
\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0011.BND

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274A

Date Analyzed: 04/25/16

GC Column (1): MR-1

ID: .32 (mm)

Time Analyzed: 22:00

Lab File ID: 25PCBS16116001.0029.RAW

Initial Calibration: 25PCBS1611601

Lab Standard ID: IC16XAA

Init. Calib Date(s): 04/25/16

04/25/16

Calibration: 25PCBS1611601

		RT WIND	woo	CALC	MOM	***************************************
COMPOUND	RT	FROM	то	AMOUNT	AMOUNT	%D
Tetrachloro-m-xylene	3.02	2.99	3.05	38.82	······································	
Decachlorobiphenyl	6.77	6.74	6.80	39.58	40.04	-1
Aroclor-1016	3.28	3.27	3.31	199.82	200.40	0
	3.50	3.48	3.52			
	3.62	3.60	3.64			
	3.84	3.83	3.87			
	3.91	3.89	3.93			
	4.10	4.09	4.13			
Aroclor-1260	4.91	4.89	4.93	196.73	203.60	-3
	5.20	5.19	5.23			
	5.38	5.36	5.40			
	5.55	5.53	5.57		`	
	5.78	5.77	5.81		,	
	5.99	5.97	6.01			

Compounds 14

7E ·

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274B

Date Analyzed: 04/25/16

GC Column (2): MR-2

Lab File ID: 25PCBS16116001B.0029.RAW

ID: .32 (mm)

Time Analyzed: 22:00

Initial Calibration: 25PCBS1611601B

Lab Standard ID: IC16XAA

Init. Calib Date(s): 04/25/16

04/25/16

Calibration: 25PCBS1611601B

COMPOUND	RT	RT WINE FROM	OOW TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.68	2.65	2.71	40.38	40.10	1
Decachlorobiphenyl	6.21	6.18	6.24	42.19	40.04	5
Aroclor-1016	2.96	2.95	2.99	199.88	200.40	o
	3.30	3.28	3.32			
	3.49	3.47	3.51			
	3.57	3.55	3.59			
	3.73	3.71	3.75			
	3.82	3.80	3.84			
Aroclor-1260	4.42	4.40	4.44	200.77	203.60	-1
	4.56	4,54	4.58			
	4.66	4.64	4.68	•		
	5.02	5.00	5.04			
	5.21	5.19	5.23			
	5.47	5.45	5.49			

Compounds 14

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274A

Date Analyzed: 04/25/16

GC Column (1): MR-1

ID: .32 (mm)

Time Analyzed: 22:12

Lab File ID: 25PCBS16116001.0030.RAW

Initial Calibration: 25PCBS1611601

Init. Calib Date(s): 04/25/16

04/25/16

Lab Standard ID: IC48XAA Calibration: 25PCBS1611601

COMPOUND	RT	RT WIND FROM	ow To	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.02	2.99	3.05	38.69	40.10	4
Decachlorobiphenyl	6.77	6.74	6.80	40.38	40.04	
Aroclor-1248	3.91	3.89	3.93	191.79	200.00	
-	3.97	3.95	3.99			
	4.11	4.08	4.12			
	4.20	4.18	4.22			
	4.36	4.34	4.38		Ĺ	
	4.78	4.76	4.80			

Compounds 8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274B

ID: .32 (mm)

Date Analyzed: 04/25/16

GC Column (2): MR-2

Time Analyzed: 22:12

Lab File ID: 25PCBS16116001B.0030.RAW

Initial Calibration: 25PCBS1611601B

04/25/16

Lab Standard ID: IC48XAA

Init. Calib Date(s): 04/25/16

Calibration: 25PCBS1611601B

		RT WINDOW		CALC	NOM	
COMPOUND	RT	FROM	то	AMOUNT	AMOUNT	%D
Tetrachloro-m-xylene	2.68	2.65	2.71	42.30	40.10	5
Decachlorobiphenyl	6.21	6.18	6.24	41.75	40.04	4
Aroclor-1248	3.60	3.58	3.62	201.90	200.00	1
	3.73	3.71	3.75			
	3.82	3.80	3.84	·		
	3.96	3.94	3.98			
	4.32	4.30	4.34			
	4.49	4.47	4.51			

Compounds 8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274A

Date Analyzed: 04/25/16

GC Column (1): MR-1 Lab File ID: 25PCBS16116001.0031.RAW

ID: .32 (mm)

Time Analyzed: 22:23

Lab Standard ID: IC54XAA

Initial Calibration: 25PCBS1611601 Init. Calib Date(s): 04/25/16

04/25/16

Calibration: 25PCBS1611601

		RT WINDOW		CALC	NOM	
COMPOUND	RT	FROM	то	AMOUNT	AMOUNT	%D
Tetrachloro-m-xylene	3.02	2.99	3.05	20.64	19.99	3
Decachlorobiphenyl	6.77	6.74	6.80	20.47	20.00	
Aroclor-1254	4.36	4.34	4.38	235.58	251.50	-6
	4.72	4.70	4.74		,	
	4.78	4.76	4.80			
	4.91	4.89	4.93			
	5.00	4.98	5.02			
	5.21	5.19	5.23			

Compounds 8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274B

ID: .32 (mm)

Date Analyzed: 04/25/16

GC Column (2): MR-2

Lab File ID: 25PCBS16116001B.0031.RAW

Time Analyzed: 22:23

Initial Calibration: 25PCBS1611601B

04/25/16

Lab Standard ID: IC54XAA

Init. Calib Date(s): 04/25/16

Calibration: 25PCBS1611601B

		RT WINDOW		CALC	NOM	
COMPOUND	RT	FROM	то	AMOUNT	AMOUNT	%D
Tetrachloro-m-xylene	2.68	2.65	2,71	20.66	19.99	3
Decachlorobiphenyl	6.21	6.18	6.24	21.32	20.00	-
Aroclor-1254	4.26	4.24	4.28	236.28	251.50	-6
	4.33	4.31	4.35			
	4.42	4.40	4.44			
	4.49	4.47	4.51			
	4.56		4.58			
	4.71	4.69	4.73			

Compounds 8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274B

Date Analyzed: 05/06/16

GC Column (2): MR-2

ID: .32 (mm)

Time Analyzed: 9:53

Lab File ID: 25PCBS16116007B.0006.RAW

Initial Calibration: 25PCBS1611601B

Lab Standard ID: AR163KF

Init. Calib Date(s): 04/25/16

04/25/16

Calibration: 25PCBS1611601B

COMPOUND	RT	RT WINE FROM	WOO TO	CALC AMOUNT	NOM AMOUNT	%D
				(ug/l)	(ug/l)	~~~
Tetrachloro-m-xylene	2.68	2.65	2.71	43.26	40.10	8
Decachlorobiphenyl	6.21	6.18	6.24	39.02	40.04	-3
Aroclor-1016	2.96	2.95	2.99	206.25	200.04	3
	3.30	3.28	3.32			
	3.49	3.47	3.51			
	3.57	3.55	3.59			
	3.73	3.71	3.75			
	3.82	3.80	3.84			
Aroclor-1260	4.42	4.40	4.44	204.67	200.20	2
	4.56	4.54	4.58			
	4.66	4.64	4.68			
	5.02	5.00	5.04			:
	5.21	5.19	5.23			
	5.47	5.45	5.49			

Compounds 14

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

SAS No.:

SDG No.:

Instrument: 18274A

Date Analyzed: 05/06/16

GC Column (1): MR-1

ID: .32 (mm)

Case No.:

Time Analyzed: 12:02

Lab File ID: 25PCBS16116007.0017.RAW

Initial Calibration: 25PCBS1611601

Lab Standard ID: AR163KG

Init. Calib Date(s): 04/25/16

04/25/16

Calibration: 25PCBS1611601

COMPOUND	RT	RT WIN FROM	DOW TO	CALC AMOUNT	NOM AMOUNT	%D
				(ug/l)	(ug/i)	
Tetrachloro-m-xylene	3.02	2.99	3.05	38.79	40.10	-3
Decachlorobiphenyl	6.77	6.74	6.80	38.27	40.04	-4
Aroclor-1016	3.28	3.27	3.31	193.88	200.04	-3
	3.50	3.48	3.52			
,	3.62	3.60	3.64			
	3.84	3.83	3.87	***************************************		
	3.90	3.89	3.93			
	4.10	4.09	4.13			
Aroclor-1260	4.91	4.89	4.93	190.66	200.20	-5
	5.20	5.19	5.23			
	5.38	5.36	5.40			
	5.54	5.53	5.57			
	5.78	5.77	5.81			
	5.99	5.97	6.01			

Compounds 14

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 18274B

Date Analyzed: 05/06/16

Lab File ID: 25PCBS16116007B.0017.RAW

GC Column (2): MR-2

ID: .32 (mm)

Time Analyzed: 12:02

Initial Calibration: 25PCBS1611601B

Init. Calib Date(s): 04/25/16

04/25/16

Lab Standard ID: AR163KG Calibration: 25PCBS1611601B

COMPOUND	RT	RT WINI FROM	DOW TO	CALC AMOUNT	NOM AMOUNT	%D
				(ug/l)	(ug/i)	
Tetrachloro-m-xylene	2.68	2.65	2.71	43.03	40.10	7
Decachlorobiphenyl	6.21	6.18	6.24	41.02	40.04	2
Aroclor-1016	2.96	2.95	2.99	206.27	200.04	3
	3.30	3.28	3.32			
	3.49	3.47	3.51			
	3.56	3.55	3.59			
	3.73	3.71	3.75			
	3.82	3.80	3.84			
Aroclor-1260	4.42	4.40	4.44	206.41	200.20	3
	4.55	4.54	4.58			
	4.66	4.64	4.68			
	5.01	5.00	5.04			
	5.21	5.19	5.23			
	5.47	5.45	5.49			

Compounds 14

Eurofins Lancaster Laboratories Pesticide Residue Analysis Runlog for 25PCBS16116001 Instrument P 25--18274A

Data Directory Path is - \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\

						Dilution
Operato	r File	LLI#	Client ID	Analysis Date	Batch	Factor
2855	25PCBS16116001.0001	CONDITIONER		4/25/16 16:32	1611599999	1.00
2855	25PCBS16116001.0002	CONDITIONER		4/25/16 16:44	1611599999	1.00
2855	25PCBS16116001.0003	CONDITIONER		4/25/16 16:56	1611599999	1.00
2855	25PCBS16116001.0004	CONDITIONER		4/25/16 17:07	1611599999	1.00
2855	25PCBS16116001.0005	IBLKX1624A	PIBLKAA	4/25/16 17:19	1611599999	10.00
2855	25PCBS16116001.0006	EVALX1524C	EVALXAA	4/25/16 17:31	1611599999	1.00
2855	25PCBS16116001.0007	AR1611624A	AR161AA	4/25/16 17:43	1611599999	1.00
2855	25PCBS16116001.0008	AR1621624A	AR162AA	4/25/16 17:54	1611599999	1.00
2855	25PCBS16116001.0009	AR1631624A	AR163AA	4/25/16 18:06	1611599999	1.00
2855	25PCBS16116001.0010	AR1641624A	AR164AA	4/25/16 18:18	1611599999	1.00
2855	25PCBS16116001.0011	AR1651624A	AR165AA	4/25/16 18:29	1611599999	1.00
2855	25PCBS16116001.0012	AR4811624A	AR481AA	4/25/16 18:41	1611599999	1.00
2855	25PCBS16116001.0013	AR4821624A	AR482AA	4/25/16 18:53	1611599999	1.00
2855	25PCBS16116001.0014	AR4831624A	AR483AA	4/25/16 19:05	1611599999	1.00
2855	25PCBS16116001.0015	AR4841624A	AR484AA	4/25/16 19:16	1611599999	1.00
2855	25PCBS16116001.0016	AR4851624A	AR485AA	4/25/16 19:28	1611599999	1.00
2855	25PCBS16116001.0017	AR5411624A	AR541AA	4/25/16 19:40	1611599999	1.00
2855	25PCBS16116001.0018	AR5421624B	AR542AA	4/25/16 19:51	1611599999	1.00
2855	25PCBS16116001.0019	AR5431624A	AR543AA	4/25/16 20:03	1611599999	1.00
2855	25PCBS16116001.0020	AR5441624A	AR544AA	4/25/16 20:15	1611599999	1.00
2855	25PCBS16116001.0021	AR5451624A	AR545AA	4/25/16 20:26	1611599999	1,00
2855	25PCBS16116001.0022	AR6231524B	AR623AA	4/25/16 20:38	1611599999	1.00
2855	25PCBS16116001.0023	AR6831524B	AR683AA	4/25/16 20:50	1611599999	1.00
2855	25PCBS16116001.0024	AR2131624A	AR213AA	4/25/16 21:02	1611599999	1.00
2855	25PCBS16116001.0025	AR3231624A	AR323AA	4/25/16 21:13	1611599999	1.00
2855	25PCBS16116001.0026	AR4231624A	AR423AA	4/25/16 21:25	1611599999	1.00
2855	25PCBS16116001.0027	AR16XX1624A	AR16XAA	4/25/16 21:37	1611599999	1.00
2855	25PCBS16116001,0028	MD16X1624A	MD16XAA	4/25/16 21:48	1611599999	1.00
2855	25PCBS16116001.0029	IC16X1624A	IC16XAA	4/25/16 22:00	1611599999	1.00
2855	25PCBS16116001.0030	IC48X1624A	IC48XAA	4/25/16 22:12	1611599999	1.00
2855	25PCBS16116001.0031	IC54X1624A	IC54XAA	4/25/16 22:23	1611599999	1.00

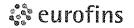
Eurofins Lancaster Laboratories Pesticide Residue Analysis Runlog for 25PCBS16116007 Instrument P 25--18274A

Data Directory Path is - \USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\

						Dilution
Operator	r File	LLI#	Client ID	Analysis Date	Batch	Factor
9065	25PCBS16116007.0001	CONDITIONER		5/6/16 8:55	1612699999	1.00
9065	25PCBS16116007.0002	CONDITIONER		5/6/16 9:07	1612699999	1.00
9065	25PCBS16116007.0003	CONDITIONER		5/6/16 9:18	1612699999	1.00
9065	25PCBS16116007.0004	CONDITIONER		5/6/16 9:30	1612699999	1.00
9065	25PCBS16116007.0005	IBLKX1624A	PIBLKBJ	5/6/16 9:42	1612699999	10.00
9065	25PCBS16116007.0006	AR1631624A	AR163KF	5/6/16 9:53	1612699999	1.00
9065	25PCBS16116007.0007	BLANKA 5/5/16 ACF	PBLK01126	5/6/16 10:05	161260001A	10.00
9065	25PCBS16116007.0008	LCSA 5/5/16 ACF	LCS01126	5/6/16 10:17	161260001A	10.00
9065	25PCBS16116007.0009	8366782ACF DF10	A6801	5/6/16 10:28	161260001A	100.00
9065	25PCBS16116007.0010	8366782ACF DF20	A6801	5/6/16 10:40	161260001A	200.00
9065	25PCBS16116007.0011	8355820RACF DF20	FAD07	5/6/16 10:52	161260001A	200.00
9065	25PCBS16116007.0012	8363971 RI ACF	1109S	5/6/16 11:03	161260001A	10.00
9065	25PCBS16116007.0013	8363972 RI ACF	TRABA	5/6/16 11:15	161260001A	
9065	25PCBS16116007.0014	8363972MSACF	TRABAMS	5/6/16 11:27	161260001A	10.00
9065	25PCBS16116007.0015	8363972MSDACF	TRABAMSD	5/6/16 11:39	161260001A	10.00
9065	25PCBS16116007.0016	IBLKX1624A	PIBLKBK	5/6/16 11:50	1612699999	10.00
9065	25PCBS16116007.0017	AR1631624A	AR163KG	5/6/16 12:02	1612699999	
9065	25PCBS16116007.0018	BLANKA 5/5/16 AF	PBLK12126	5/6/16 12:14	161260012A	
9065	25PCBS16116007.0019	LCSA 5/5/16 AF	LCS12126	5/6/16 12:25	161260012A	
9065	25PCBS16116007.0020	LCSDA 5/5/16 AF	LCSD12126	5/6/16 12:37	161260012A	
9065	25PCBS16116007.0021	8364016 RI AF	ABBW2	5/6/16 12:49	161260012A	
9065	25PCBS16116007.0022	8364018 RI AF	ABBW3	5/6/16 13:00	161260012A	
9065	25PCBS16116007.0023	8364021 RI AF	ABRB1	5/6/16 13:12	161260012A	
9065	25PCBS16116007.0024	IBLKX1624A	PIBLKBL	5/6/16 13:24	1612699999	10.00
9065	25PCBS16116007.0025	AR1631624A	AR163KH	5/6/16 13:36	1612699999	1.00

Page 1 of 1

Sample Data Polychlorinated Biphenyls (PCBs)



Lancaster Laboratories Environmental

LOQ/MDL Summary Pesticide Residue Analysis

SDG: ATB68

Fraction: Polychlorinated Biphenyls (PCBs)

10225: PCBs in Solids by 8082/3550 Analyte Name	Default MDL	Default LOQ	Units
PCB-1016	3.3	17	ug/kg
PCB-1221	5.1	17	ug/kg
PCB-1232	4.1	17	ug/kg
PCB-1242	4.1	17	ug/kg
PCB-1248	3.3	17	ug/kg
PCB-1254	4.4	17	ug/kg
PCB-1260	3.9	17	ug/kg

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Lancaster Laboratories

Data Summary

Environmental Sample ID: AC Batchnumber: 161260001A Sample Name: 8366782 ACF DF10 A6801 100 ml Analyst: 9065 SDG: ATB68 State: DE Sample Amount: 30.1 q Total Volume: Analyses: 10225 Analysis Report (B) Analysis Report (A) May 06, 2016 10:28:47 Injected on May 06, 2016 10:28:47 Injected on Instrument 18274B Instrument 18274A Result file 25PCBS16116007B.0009.RAW Result file 25PCBS16116007.0009.RAW Calibration file 25PCBS1611601B Calibration file 25PCBS1611601 25PCBSB Method file Method file 25PCBS 78% (46 - 148) Conc: 7.616146 89% (46 - 148) Conc: 8.623232 %SSR(TCX) %SSR(TCX) 101% (49 - 139) Conc: 9.814489 %SSR(DCB) 115% (49 - 139) Conc: 11.15666 %SSR(DCB) Single Component Data Height <u>Amount</u> Height Amount Compound RT Compound Min Max 2.68 2.71 504816 7.616146 8.623232 2.65 Tetrachloro-m-xylene Tetrachloro-m-xylene 2.99 3.02 3.05 469216 9.814489 6.80 300317 11.15666 Decachlorobiphenyl 6.18 6.21 6.24 386085 6.74 Decachlorobiphenyl 6.77 Single Component Summary %RPD Comments MDL Qualifiers Column Amount Found LOQ Compound Name 12.40 8,623232 Tetrachloro-m-xylene Decachlorobiphenyl 11,15666 12.80 Α **Multiple Component Data** Pks %RSD Peak Pks %RSD Peak Height Height Min RT Max Amount Min RT Max <u>Amount</u> 5.25 Aroclor-1260 12.23 Aroclor-1260 1222.315743 1030.275168 4.40 4.42 3118810 4.89 4.91 4.93 1995978 4.54 4.56 4.58 1320.899294 2 3967998 5.19 5.20 5.23 1380.122361 2 1659974 3 1174.695308 4.64 4.66 4.68 2919274 1034.833413 5.36 5.38 5.40 1337068 4 1155,721652 5.00 5.02 5.04 2092884 1022.910689 5.53 5.55 5.57 1635326 1287.804993 5 5.19 5.21 5.23 5390105 5 5,77 5.78 5.81 3917527 1155.020335 5.45 5.47 5.49 1102.508692 3552885 1265.266231 5.97 5.99 6.01 2112007 Height summation: 21041956 12657880 Height summation: CF: 1237.78387 L: Concentration CF: 1120.94511 Concentration L: **Multiple Component Summary** No. of Hits Required Comments MDL. Qualifiers %RPD Column Amount Found LOQ Compound Name <169.4352 <32.8904 Aroclor-1016 <169.4352 <50.8306 Aroclor-1221 <40.8638 <169.4352 Aroctor-1232 <40.8638 <169.4352 Aroclor-1242 <32.8904 <169.4352 Aroctor-1248 <169.4352 <43.8538 Aroclor-1254 38.8704 1 1237.78387 169.4352 Aroclor-1260 <32.8904 <169.4352 Aroclor-1262 <32,8904 <169.4352 Aroclor-1268 1237:78387 169,4352 32 8904 Total PCBs Units: ug/kg %RPD = High - Low Amount divided 50 me Average times 100 rich to the military Miche to D. Hamilton Group Leader Reviewed by: Kirby B. Turnar Associate Chemist Verified by:

Date: MAY 0 6 2016

Date:

MAY 06 2016

Eurofins Lancaster Laboratories-Multiple Component Data Summary

ml

Sample Name: 8366782 ACF DF10

A6801

Sample ID: AC

Batchnumber: 161260001A

Sample Amount: 30.1 g

Total Volume: 100

Analyst: 9065

SDG: ATB68

State: DE

Analyses: 10225

Ameliada Damad (۸.					Anaba	sia Da	nart /	B۱				
Analysis Report (A		40.40.00.47				Analys Injected		DOLL	- _	HC 10-20-47			
Injected on Instrument	: May 06, 20 ⁻ : P 2518274					Instrum			. May 00, 20 : P 251827)16 10:28:47 '4B			
Result file		116007.0009.RAW	į			Result !	île			3116007B.0009	.RAW		
Calibration file	:_26PGB\$16					Calibra				11601B.CAL			
Method file /	: 25PCBS.M	ET				Method	file		: 25PCBSB.	MET			
%SSR(TCX)	: 89% (46-1	48) Conc.:	8.623	232		%SSR(rcx)		: 78% (46-1	148) Cor	ic.: 7.61	6146	
%SSR(DCB) \	: 115% (49-	139) Conc.:	11.156	666		%SSR(I	OCB)		: 101% (49	-139) Cor	ic.: 9.81	4489	
Min R.T. Max	Height	Amount		%RSD P	eak	Min	R.T.	Max	Height	Amount	Pk	s %RSD F	<u>eak</u>
Aroclor-1016		•	6	135.78		Aroclor-1			,		6	89.05	
3.27 3.28 3.31	16449.4	16.481375			1		2.96		6259.781	5.817211			1
3,48 3,50 3,52	25567.78	24.589079			2		2.98	2.99	93288.51	86.692967			1 2
+ 3.48 3.52 3.52 3.60 3.62 3.64	11680.79 32335.95	11,233665 25,750112			2 3		3.30 3.48	3.32	33838.06 36419.27	25.280318 24.364553			3
3.83 3.85 3.87	51332.83	36.061372			4	+ 3.47		3.51	32136.92	21.499653			3
3.89 3.91 3.93	27270.07	21.828501			5	3.55			32084.94	20.63019			4
4.09 4.10 4.13	199471.3	209.563151			6	3.71			258278	194.139971			5
Height Summation:	352427.33					+ 3.80		3.84	3719.362	3.375018			6 6
Amount Avg CF:	55.7122	.65 Linear:				Height St	3.82		124928.4 578837.18	113.362354			G
Aroclor-1221			3	57.72		Amount A			77.4117	726 Linear:			
3.16 3.18 3.20	1529.361	2.920908			1		•		.,,,,,,,,	Linear.			
+ 3.16 3.19 3.20	1358.492	2.594567			1	Aroclor-1		2 07	2524 742	2 000330	3	109.56	4
3.22 3.24 3.26 3.26 3.28 3.30	3964.014 16449.4	8.835554 11.848534			2 3		2.84 2.90	2.93	2531.742 5745.66	3.998338 15.574498			1 2
Height Summation:	21942.775	11.040004			•		2.96		6259.781	3.858091			3
Amount Avg CF:	7.8683	32 Linear:					2.98		93288.51	57.496509			3
			_			Height Su	mmatic	n:	101565.912				
Aroclor-1232 3.27 3.28 3.31	164494	13.857844	6	148.64	1	Amount /	Avg CF:		25.6897	781 Linear:			•
3.48 3.50 3.52		52.961805			ż	Aroclor-1	232				6	109.82	
+ 3.48 3.52 3.52	11680.79	24.195911			2		2.96		6259.781	4.721439			1
3.60 3.62 3.64	32335.95	53.414149			3		2.98	2.98	93288.51	70.362839			1
3.83 3.85 3.87	51332.83	76.39646			4 5		3.30	3.32	33838.06	53.56452			2 3
3.89 3.91 3.93 4.09 4.10 4.13	27270.07 199471.3	46.839677 492.644366			5 6	+ 3.47	3.48 3.51	3.51	36419.27 32136.92	53.764112 47.442274			3
Height Summation:	352427.33	752.077000			Ÿ	3.55			32084.94	46.804417			4
Amount Avg CF:	122.6857	17 Linear:				3.71	3.73		258278	477.878365			5
				404.40		+ 3.80		3.84	3719.362	7.591733			6 6
Arocior-1242 3.26 3.28 3.30	16449.4	22.078198	6	134.10	1	3.60 Height Su	3.82		124928.4 578837.18	254.996171			O.
3.48 3.50 3.52	25567.78	32,374945			2	Amount A			159.5617	737 Linear:			
+ 3.48 3.52 3.52	11680.79	14.790683			2				100.0011	unicar.			
+ 3.60 3.60 3.64 3.60 3.62 3.64	1325.893	1,439859			3 3	Arocior-1		2.00	0000 704	7 603314	6	89.74	4
3.82 3.85 3.86	32335.95 51332.83	35.115355 50.42823			3 4		2.96 2.98		6259,781 93288,51	7.603214 113.309474			1
3.89 3.91 3.93	27270.07	30.291094			5	3.28		3.32	33838.06	34.936379			2
4.08 4.10 4.12	199471.3	278.959734			6	3.47	3.48	3.51	36419.27	34.146757			3
Height Summation:	352427.33					+ 3.47		3.51	32136.92	30.13162			3
Amount Avg CF:	74.8745	93 Linear:				3.55 3.71	3.57 3.73	3.59 3.75	32084.94 258278	28.324926 266.147578			4 5
Aroclor-1248			6	122.23			3.81			4.418878			6
3.89 3.91 3.93		38.370995			1				124928.4	148.424197			6
3.95 3.97 3.99	324098.2	263.338902			2	Height Su	mmatic	<u>: п</u>	578837.18				
4.08 4.10 4.12 4.18 4.20 4.22		147.568424 108.726392			3 4	Amount A	Avg CF:		. 104.2148	385 Linear:			
4,34 4.36 4.38	803247.9	762.946683			5	Aroclor-1	248				6	100.76	
4.76 4.78 4.80		1544.755294			6		3.60	3.62	398753.1	262.210168			1
Height Summation:	2867181.57						3.73		258278	137.388095			2
Amount Avg CF:	477.6177	82 Linear:				+ 3.80		3.84	3719.362	2.829847			3
							3.82 3.96		124928.4 1538600	95.050763 598.170507			3 4
							4.31		249904.1	242.081706			5
						4,30	4.32	4.34	1691634	1638.683179			5
•							4.49		1145047	1717.86261	5		6
						Height Su			5157240.5	ion (:			
						Amount A	wg CF:		741.5608	188 Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 8366782 ACF DF10 A6801 Sample ID: AC Batchnumber: 161260001A Sample Amount: 30.1 g Total Volume: 100 ml Analyst: 9065 SDG: ATB68 State: DE

Analyses: 10225

Analysis Report (<u>A)</u>				is Report (
Injected on Instrument	: May 06, 2016 10:28:47			Injected Instrume		: May 06, 201 : P 25-18274				
Result file	: P 25-18274A : 25PCBS16116007.0009.RAW			Result fil		: 25PCBS161		09.RAW		
Calibration file	: 25PCBS1611601.CAL			Calibration		: 25PCBS161				
Method file	: 25PCBS.MET			Method f	file	: 25PCBSB.N	MET			
Min R.T. Max	<u>Height Amount P</u>	ks %RSD Pe	<u>ak</u>		R.T. Max	<u>Height</u>	<u>Amount</u>	Pks	%RSD P	<u>'eak</u>
Aroclor-1254		80.04		Aroclor-12		2010100	447.00400	6	93.45	4
4.34 4.36 4.38 4.70 4.72 4.74	803247.9 550.963411 622802.4 435.335498		1 2	4.24 + 4.31		821846.6 249904.1	417.98122 77.502508			1 2
4.76 4.78 4.80	1387627 519.92273		3	4.31	4.32 4.35	1691634	524.62474			2
4.89 4.91 4.93	1995978 2315.352344		4		4.42 4.44	3118810	2064.1357			3
4.98 5.00 5.02	1004450 554.910353		5 6	4.47		1145047	511.94116			4 5
5.19_5.20 5.23 Height Summation:	1659974 1060.562639 7474079.3		ь	4.54 4.69	4.56 4.58 4.71 4.73	3967998 865017.5	3056.4135 549.37574			6
Amount Avg CF:	906.174496 Linear:			Height Sur		11610353.1				-
/				Ameunt A		1187.4120	33 Linea	r:		
Aroclor-1260 4.89 4.91 4.93	1995978 1030.275168	12.23	1	Aroclor-12	oeu)/			6	5.25	
5.19 5.20 5.23	1659974 1380.122361		2	4.40		3118810	1222.3157			1
5.38 5.38 5.40	1337068 1034.833413		3	4.54		3967998	1320.8992			2
5.53 5.55 5.57	1635326 1022.910689		4 5	4.64 5.00	4.68 4.68 5.02 5.04	2919274	1174.6953 1155.7216			3 4
5.77 5.78 5.81 5.97 5.99 6.01	3917527 1155.020335 2112007 1102.508692		6		5.21 5.23	2092884 5390105	1287.8049			5
Height Summation:	12657880		•		5.47 5.49	35/52885	1285.2662			6
Amount Avg CF:	1120.94511 Linear:			Height Sur	nmation:	2 1041956	<i>J\</i>			
Arocior-1262	,	5 28.24		Amount A	vg CF:	1237.783	B7 ⊤ ⊈inea	r:		
5.36 5.38 5.40	1337068 545.068025	20.24	1	Arocior-12	262			6	32,18	
E 5.53 5.55 5.57	1635326 811.637668		2		4.82 4.84	1543962	496.04684			1
E 5.76 5.78 5.80	3917527 849.871319		3 4	E 5.00		2092884	680,97942 873,31933			2 3
E 5.97 5.99 6.01 6.02 6.03 6.06	2112007 822.520988 580708.9 418.853283		5	5.41	5.21 5.23 5.42 5.44	5390105 850601.8	363.93017			4
6.40 6.42 6.44	842205.6 525.664966		ě	E 5.45		3552885	875.48083			5
Height Summation:	10424842.5				5.85 5.87	1126791	566.38346	66		6
Amount Avg CF:	662.269375 Linear:			Height Sur		14557228.8				
Aroclor-1268	(112,36		Amount A	vg CF:	642.6900°	13 Linea	r:		
5.97 5.99 6.01	2112007 438.322553		1	Aroclor-12				6	125.42	
6.03 6.03 6.07 6.16 6.18 6.20	580708.9 141.137898 38500.62 9.553082		2 3		5.42 5.44 5.47 5.49	850601.8 3552885	129.96498 557.18538			1 2
6.22 6.24 6.26	38500.62 9.553082 70426.11 68.364613		4		5.63 5.65	48914.2	9.071089	10		3
6.40 6.42 6.44	842205.6 522.46412		5		5.69 5.72	24912.38	19.772564	ļ.		4
6.60 6.62 6.64	172642.7 17.190176		6		5.72 5.72	5803.614	4.606237			4
Height Summation:	3816490.93				5,85 5.87 6.05 6.07	1126791 210813	551.12742 13.608361			5 6
Amount Avg CF:	199.505407 Linear:			Height Sur		5814917.38	15.000501			•
				Amount A		213.45490	58 Linea	r:		
Communication Communication					-					
Summary Report						No of Hits				
Compound Name	Column Higher Amount Found		MDL			nce Required		Comments		
Aroclor-1016	***************************************	169.4352	32.89	304	32.60	2 4	40			
Aroclor-1221		169.4352	50.83		** 105.2	_	5			
Aroclor-1232		<u>169.4352</u>	40.86	38	26.13	3 4	10 _			
Aroclor-1242		169.4352	40.86	38	32.77	4	30			
Aroclor-1248		169.4352	32.89	304	** 43.30	_ 4	40 _			~~~~~~
Aroclor-1254		169,4352	43.85	38	26.87	<u> </u>	40	~~~		
Aroctor-1260	***************************************	169.4352	38.87	704	9.91		40			www
Aroclor-1262		169.4352	32.89	904E	3.00		40		***************************************	
Aroclor-1268		169.4352	32.89	04	6.76		40			
Units: ug/kg										
~ ~										

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: 8366782ACF DF10 ACA6801

CA6801 T 161260001A

10225

SW-846 8082

Injected On: 5/6/2016 10:28:47 AM

Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 9065

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25pcbs16116007.0009.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

Condictor	on the 201 Ob	01011001,0	~\L
RT A	Compound A	Height A	Area A
2.043		4439	3118
2.074		3208	2703
2.096		3637	2371
2.125		11152	9272
2.182		9413	15085
2.218		8657	5921
2.286		8039	4718
2.31		4418	3166
2.396		13972	12694
2.421		4767	3544
2.466		4972	6706
2.53		1817	1159
2.578		1794	1892
2.646		3399	6543
2.7		1201	979
2.721		13238	8269
2.743		6539	3906
2.786		1120	1208
2.832		2380	2576
2.894		1779	1094
2.957		965	753
2.991		8423	5933
3.022	TCX	469216	327819
3.176		1529	2708
3.193		1358	735
3.237		3964	3968
3.283		16449	14127
3.347		103387	83851
3.38		9091	7699
3.458		1050	1008
3.478		1382	863
3.502		25568	14981
3.519		11681	6349
3.557		2845	1483
3.575		1895	1202
3.598		1326	827
3.621		32336	22695
3.668		5064	6522
3.689		5911	5837
3.733		11338	13679
3,794		16850	9459
3,807		45768	35331
3,849		51333	51478
3.907		27270	25023
3.949		3265	1717
3.974		324098	248988
4.001		150176	107753
4.025 4.104		113225 199471	76729
4.104		34502	157501 22916
4.161		34302 46290	35386
4.197		125467	111399
4.197		31730	24662
4.27		12306	12585
7.2.1		12000	12000

RTA	Compound A	Height A	Area A
4.323		79029	75564
4.362		803248	620021
4.383		213195	132636
4.408		256783	201879
4.476		248769	220652
4.52		1264762	1225931
4,556		419847	350781
4.598		37095	27391
4.622		52003	41509
4.666		295224	278320
4.719		622802	1079069
4.782		1387627	1230690
4.828		857506	996091
4.868		288836	226846
4.908		1995978	1904238
4.96		91576	78353
5.002		1004450	1000905
5.031		16879	9211
5.058		427784	400683
5,112		2690419	3301769
5.162		447811	385316
5.204		1659974	1693991
5.247		73267	50566
5.284		262883	327609
5.32		3343249	3617929
5.382		1337068	1181506
5.425		927541	916642
5.546		1635326	2443161
5,605		796429	737273
5.645		465811	425679
5.686		99557	93843
5.729		666621	622820
5.756		37687	20874
5.785		3917527	3956957
5.992		2112007	2205192
6.033		580709	1167322
6.176		38501	59047
6.239		70426	54529
6.264		384754	356192
6.328		3045	3344
6.387		1185	1277
6.421		842206	870978
5,466		58455	52897
6.512		1844	1821
6.622		172643	176168
6.769	DCB	300317	321244
6.852		5782	6080
6.912		1338	1894

Instrument ID: CP25-18274 Analyst: 9065

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min Column A ID: ZB Multiresidue-1 $30m \times 0.32mm \times 0.5um$

Column B ID: ZB Multiresidue-2 $30m \times 0.32mm \times 0.25um$ Data File: 25pcbs16116007B.0009.RAW

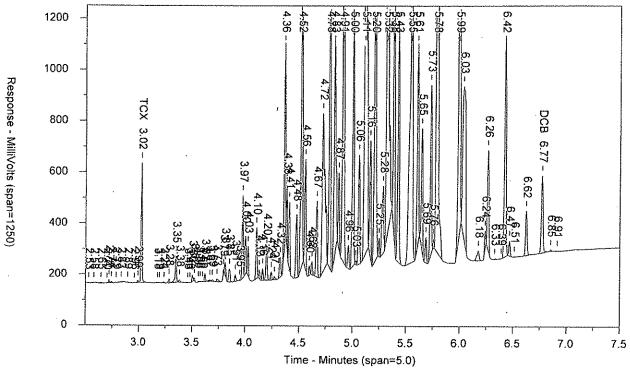
Method File: 25PCBSB.MET

Calibration File: 25PCBS1611601B.CAL

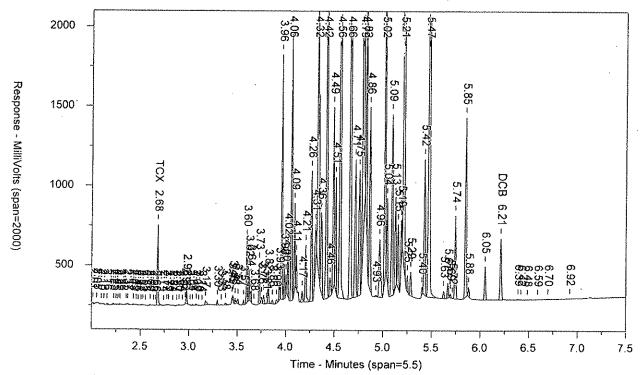
RT B	Compound B	Height B	Area B
2.015		9319	6155
2.053		2949	3694
2.1		4115	3410
2.126		4970	2647
2,159		9276	12840
2.226		6615	8711
2.249		4503	2771
2.269		5104	3526
2.29		6834	3775
2.354		5163	4365
2.37		6337	8241
2.427		6323	4384
2.454		3509	2730
2.476		3356	2063
2.506		3546	3068
2.524		5019	3486
2.552	·	3296	3800
2,6		7166	6849
2.634		4221	4403
2.659		2275	1347
2.679	TCX	504816	312619
2.742		2494	1032
2.773		4937	5867
2.793		4586	3908
2.836		2532	4154
2.875		2914	1790
2.901		5746	6522
2.935		2074	876
2.964		6260	2441
2.977		93289	49936
3.014		4892	3499
3.038		7333	4237
3.076		9724	9920
3.101		4269	2956
3,136		2999	2639
3.173		26436	25899
3.296		33838	23196
3.334		4762	3581
3.379		13779	13227
3.446		20937	9375
3,456		37770	16241
3.477		36419	29424
3.507		32137	18200
3.566		32085	21113
3.6		398753	243400
3.624		195214	109623
3.643		140515	76326
3.677		4099	4007
3.729		258278	158388
3.753		39931	21409
. 3.775		55345	42473
3.805		3719	1427
3.822		124928	83264
3.864		26423	21001

			·
RTB	Compound B	Height B	Area B
3.905		22574	19045
3.935		117078	64950
3.956		1538600	959071
3.982		197358	114232
4.002		131370	69260
4.021		299976	187116
4.057		1673164	1136364
4.09		554137	355817
4.109		208531	107434
4.17		71021	58473
4.205		357728	277247
4.263		821847	577699
4.307		249904	247922
4.325	•	1691634	1797552
4.364		497771	501048
4.418		3118810	2349638
4 456		118531	107435
4.488		1145047	797132
4.513		705642	490297
4.555		3967998	3080931
4.661		2919274	2583582
4.712		865018	763337
4.754		791224	
4.791		4220418	667114 3448228
4.823			
4.862		1543962	992288
		1138144	915651
4.928		9509	10986
4.964		365029	411957
5.016		2092884	1588250
5.041		503781	354624
5.091		1137248	990559
5.126		570340	449745
5.155		397171	318396
5.187		262953	156680
5.21		5390105	4173469
5.251		102020	69320
5,285		149804	120329
5.401		47218	28499
5.425		850602	693584
5.47		3552885	3492197
5.625		48914	43500
5.669		94539	73723
5.695		24912	16336
5.716		5804	3188
5.743		521898	437605
5.849		1126791	916919
5.879		57148	41637
6.049		210813	180638
6.21	DCB	386085	345530
6.388		6559	5571
6.42		2774	3325
6.485		852	1412
6.589		700	559
6.696		2133	4580
6.921		1361	5472





--- \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16116007B.0009.RAW



Chrom Perfect Chromatogram Report

161260001A

LANCASTER LABORATORIES

Sample Number: 8366782ACF DF10

ACA6801

10225

SW-846 8082

Injected On: 5/6/2016 10:28:47 AM

Sample Weight: 30.1 Dilution Factor: 100

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound, A	RTB	Height B	Amount B - PPB	Compound B
3.022	469216	8.623	TCX	2.679	504816	7.616	TCX
6.769	300317	11,157	DCB	6.21	386085	9,814	DCB

Files:

Area File: 25pcbs16116007,0009,RAW Area File: 25pcbs16116007B.0009.RAW

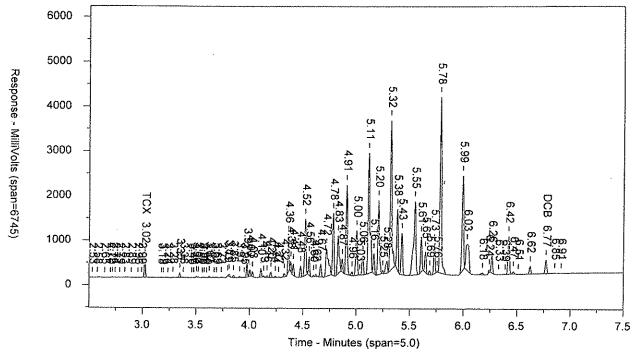
Method A: 25PCBS.MET Method B: 25PCBSB,MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

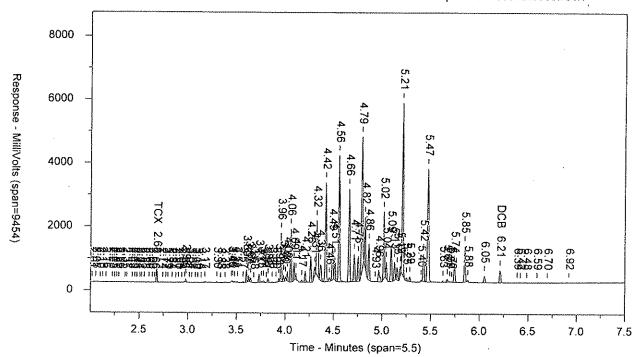
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 5/6/2016 10:37:20 AM File Reported On: 5/6/2016 at 10:37:28 AM





\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16116007B.0009.RAW



Standards Data Polychlorinated Biphenyls (PCBs)

Eurofins Lancaster Laboratories = CHROM PERFECT SEQUENCE FILE =

Sequence File: \\Uslan-chromperf\chromperfect-data\Dept-24\Active\CP25\25PCBS16116001.seq Chromatography Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25 Method Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 31

Samplename	VP	Code	<u>1D</u>	Method	Samp Amt	<u>DF</u>	Int Std	<u>c</u>	Batch Number	<u>Analysis</u>
1 CONDITIONER	1	MISC	AA	EPT-24VACTIVE\CP25\25PCBS.MET	T 1	1	1	0	1611599999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1611599999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	r 1	1	1	0	1611599999	
4 CONDITIONER	4	MISC	AΑ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1611599999	
(5)BLKX1624A	5	PIBLK	AΑ	EPT-24\ACTIVE\CP25\25PCBS.MET	r 1000	10	1	0	1611599999	10736
6EVALX1524C	6	ICAL	AΑ	EPT-24\ACTIVE\CP25\25PCBS.MET	г 1	1	1	0	1611599999	10736
(7)AR1611624A	7	ICAL.	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	г. 1	1	1	1	1611599999	10736
(8)AR1621624A	8	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	r 1	1	1	2	1611599999	10736
9)AR1631624A	9	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	г 1	1	1	3	1611599999	10736
(10)AR1641624A	10	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	r 1	1	1	4	1611599999	10736
(71)AR1651624A	11	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	г 1	1	1	5	1611599999	10736
(12 AR4811624A	12	ICAL.	AA	EPT-24\ACTIVE\CP25\25PC8S.MET	r 1	1	1	0	1611599999	10736
(13 AR4821624A	13	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	г 1	1	1	0	161159 99 99	10736
(14)AR4831624A	14	ICAL	AΑ	EPT-24\ACTIVE\CP25\25PCBS.ME	г 1	1	1	0	1611599999	10736
15AR4841624A	15	ICAL	AΑ	EPT-24\ACTIVE\CP25\25PCBS.MET	т 1	1	1	0	1611599999	10736
16 AR4851624A	16	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.ME	т 1	1	1	0	1611599999	10736
(17 AR5411624A	17	ICAL	AΑ	EPT-24\ACTIVE\CP25\25PCBS.ME	Τ 1	1	1	0	1611599999	10736
(18)AR5421624B	18	ICAL	АΑ	EPT-24\ACTIVE\CP25\25PCBS.ME	Τ 1	1	1	0	1611599999	10736
(19)AR5431624A	19	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.ME	T 1	1	1	0	1611599999	10736
(2) AR5441624A	20	ICAL.	AΑ	EPT-24\ACTIVE\CP25\25PCBS.ME	T 1	1	1	0	1611599999	10736
(21)AR5451624A	21	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.ME	т 1	1	1	0	1611599999	10736
(22 AR6231524B	22	ICAL	ΑА	EPT-24VACTIVE\CP25\25PCBS.ME	т 1	1	1	0	1611599999	10736
(23 AR6831524B	23	ICAL.	AA	EPT-24VACTIVE\CP25V25PCBS.ME	T . 1	1	1	0	1611599999	10736
(24) AR2131624A	24	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.ME	Τ΄ 1	1	1	0	1611599999	10736
(25 AR3231624A	25	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.ME	T 1	1	1	0	1611599999	10736
26 AR4231624A	26	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.ME	T 1	1	1	0	1611599999	10736
27)AR16XX1624A	27	ICAL.	AA	EPT-24\ACTIVE\CP25\25PCBS.ME	т 1	1	1	0	,	10736
(28 MD16X1624A	28	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.ME	Τ 1	1	1	0	1611599999	10736
(291C16X1624A	29	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.ME	т 1	1	1	0	1611599999	10736
(30 IC48X1624A	30	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.ME	т 1	1	1	0	1611599999	10736
(31)C54X1624A	31	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.ME	т 1	1	1	0	1611599999	10736
\-\'\'										

Set-up by: 285 4/25/2016 Date: 05/216



Page 1 of 1

Eurofins Lancaster Laboratories CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperf\chromperfect-data\Dept-24\Active\CP25\25pcbs16116007.seq Chromatography Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25 Method Directory: \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25

Number of Entries: 25

Samplename	<u>VP</u>	Code	<u>ID</u>	Method	Samp Amt	DF	int Std	C	Batch Number	<u>Analysis</u>
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1612699999	
2 CONDITIONER	2	MISC	AΑ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1612699999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	- 1	1	1	0	1612699999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1612699999	
(5)BLKX1624A	5	PIBLK	BJ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1612699999	10736
(¹ 6)AR1631624A	6	CCAL	KF	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1612699999	10736
BLANKA 5/5/16 ACF	7	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	161260001A	10225
(8)LCSA 5/5/16 ACF	8	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	161260001A	10225
98366782ACF DF10	9	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	100	1	0	161260001A	10225
(108366782ACF DF20 0 1447)	10	T	ΑD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	200	1	0	161260001A	10225
11 8355820RACF DF20	<i>j</i> 11	Τ	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	3	200	1	0	161260001A	10225
12 8363971 RI ACF	12	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	5.2	10	1	0	161260001A	10225
13 8363972 RI ACF	13	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	10	1	0	161260001A	10225
14 8363972MSACF	14	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.04	10	1	0	161260001A	10225
15 8363972MSDACF	15	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.46	10	1	0	161260001A	10225
(16 IBLKX1624A	16	PIBLK	вк	EPT-24\ACTIVE\CP25\25PC8S.MET	1000	10	1	0	1612699999	10736
17AR1631624A	17	CCAL	KG	EPT-24\ACTIVE\CP25\25PC8S.MET	1	1	1	0	1612699999	10736
18 BLANKA 5/5/16 AF	18	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	161260012A	10227
19 LCSA 5/5/16 AF	19	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	161260012A	10227
20 LCSDA 5/5/16 AF	20	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	161260012A	10227
21 8364016 RI AF	21	Т	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	248	2	1	0	161260012A	10227
22 8364018 RI AF	22	Т	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	161260012A	10227
23 8364021 RI AF	23	Ŧ	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	248	2	1	0	161260012A	10227
24 IBLKX1624A	24	PIBLK	BL	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1612699999	10736
25 AR1631624A	25	CCAL	KH	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1612699999	10736

ag 9588 5/6/16

Set-up by: 5/6/2016

2065

Date: 5/6/16



Page 1 of 1

Sample Number: IBLKX1624A

AAPIBLKAA PIBLK1611599999

10736

SW-846 8082

Injected On: 4/25/2016 5:19:38 PM

Injection Volume: 1 ul

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0005.RAW

Method File: 25PCBS.MET

Instrument ID: CP25-18274

Calibration File: 25PCBS1611601.CAL

RTA	Compound A	Height A	Area A
2.048		13699	16011
2.108		1837	2922
2.175		14606	41941
2.309		23000	17577
2.398		20706	12999
2.421		8782	6296
2.462		2978	3833
2.509		8706	8003
2.581		2132	2123
2.628		1537	894
2.66		1374	1635
2.725		2173	1654
2.818		2718	3002
2.868		28145	29351
2.917		6972	6379
2.997		1740	1048
3.024	TCX	3809094	2671319
3.165		3162	2374
3.227		68518	48091
3.286		7355	6217
3.329		2945	2451
3.361	•	14334	9113
3,407		2928	2124
3.487		2124	1528
3.51		2396	1964
3.562		3607	3766
3.632		7482	6773
3.664		3284	3583
3.711		2669	1937
3.777		10264	10303
3.856		4725	6319
3.933		2699	3691
3.957		5830	5157
4.006		3366	2937
4.082		2671	3263
4.158		2071	1939
4,181		5025	
4.234			4137
4.293		3458 3856	3581 3336
4.323		54447	60026
4.385		2889	3901
4.435		11022	9707
4.536		3736	
			3987
4.637		5794	8798
4.697		1583	1445
4.723		2144	1408
4.776		2890	4628
4.861		2071	3194
4.899		1364	988
4.936		1547	1286
4.99		5337	6710
5.037		9718	9063
5.104		2203	4029
5.197		2716	5558
	•		

RTA	Compound A	Height A	Area A
5.278		8996	10378
5.341		6655	10755
5.421		1478	1853
5.475		994	698
5.614		2143	10861
5.666		1990	2118
5.686		8325	6983
5,807		15266	17402
5.968		4120	5595
6.091		1004	3166
6.177		24399	23309
6.243		23084	29794
6.479		7018	6850
6.521		1607	1832
6.622		20445	23664
6.77	DCB	1758946	1920001

Sample Number: IBLKX1624A

AAPIBLKAA PIBLK1611599999

10736

SW-846 8082

Injected On: 4/25/2016 5:19:38 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274 Analyst: 2855 Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

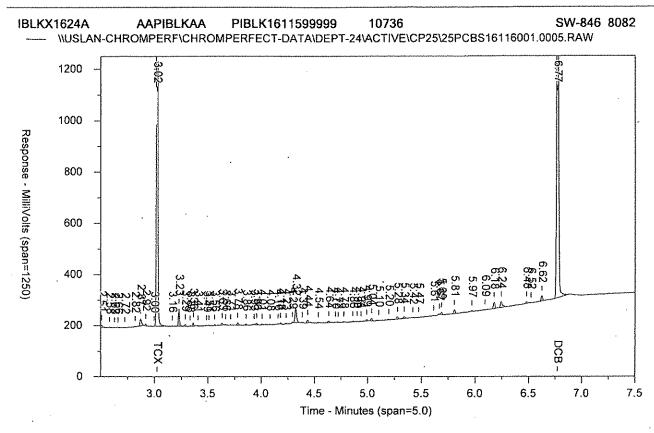
Data File: 25PCBS16116001B.0005.RAW

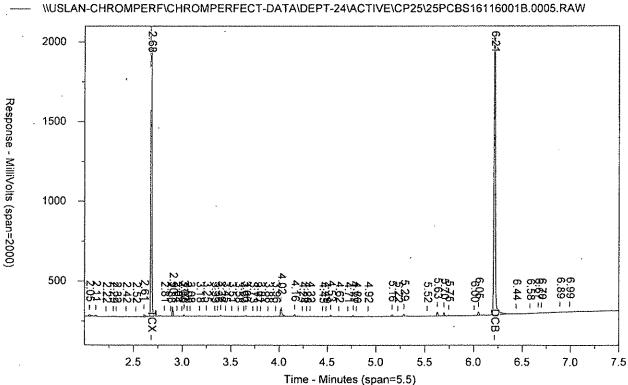
Method File: 25PCBSB.MET

Calibration File: 25PCBS1611601B.CAL

			•
RTB	Compound B	Height B	Area B
2.049	····································	8978	15229
2.114		7328	5774
2.218		1925	2312
2.293		2171	2897
2.323		1746	1066
2.422		2929	3266
2.523		1718	1717
2.608		17135	20543
2.68	TCX	4537490	2644416
2.815		1686	1259
2.879		924	606
2.9		59069	34717
2,944		2846	3353
2.994		1525	1065
3.017		11405	6579
3.049		1291	961
- 3.08		2035	1933
3,179		2683	5058
3.249		4866	8539
3.334		2374	2317
3.362		1914	959
3.395		6991	4798
3.445		3078	3112
3.508		2614	3946
3.576		1861	3099
3,633		1338	715
3.656		5938	4696
3.728		2425	2353
3.773		2526	2360
3.806		2469	2278
3.884		1558	2491
3.964		1921	2254
4.02		55016	68637
4.158		10509	8370
4.24		1767	1536
4.284		1648	1839
4.321		2979	2647
4.45		1303	1672
4.486		1342	995
4.534		9836	8661
4.618		2759	3642
4.010		1423	3339
4.767		7439	
4.798		7439 1587	5237 2895
4.918		1512	1972
5.164		9632	9966
5.224		1599	2030
5.286		13146	11798
5.522		1068	957
5.627		25452	21269
5.696		21336	18582
5.745		5910	6431
6.004		884	1672
6.05		21951	20098

RT B	Compound B	Height B	Area B
6.211	DCB	2590429	2298969
6.436		997	1051
6.579		859	2519
6.666		2280	2415
6.698		2098	1781
6.891		2271	7836
6.991		1027	856





Sample Number: IBLKX1624A

AAPIBLKAA PIBLK1611599999

10736

SW-846 8082

Injected On: 4/25/2016 5:19:38 PM

Sample Weight: 1000 Dilution Factor: 10

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um

Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	Compound B
3.024	3809094	.215	TCX	2.68	4537490	.206	TCX
6.77	1758946	.203	DCB	6.211	2590429	.197	DCB .

Files:

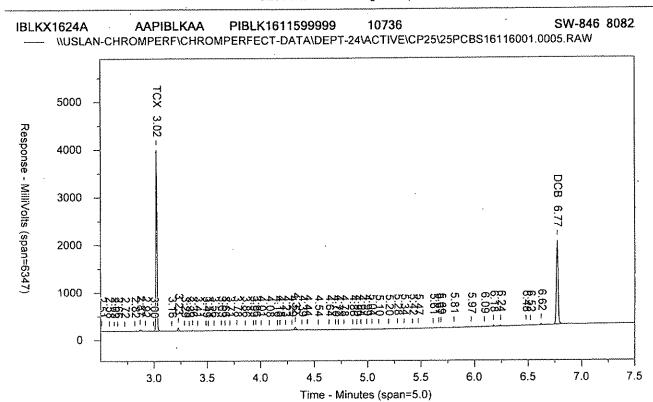
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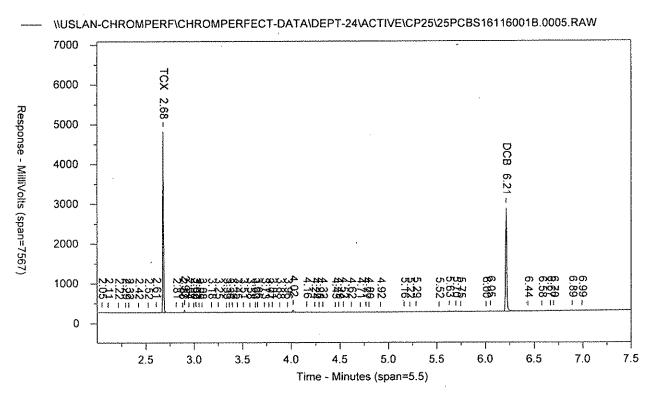
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 5:28:08 PM File Reported On: 4/25/2016 at 5:28:13 PM





Sample Number: EVALX1524C

ICAL 1611599999 AAEVALXAA

10736

SW-846 8082

Injected On: 4/25/2016 5:31:21 PM

Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0006.RAW

Method File: 25PCBS,MET

RTA	Compound A	Height A	Area A
2.049		12758	14707
2.123		1972	4094
2.175		10761	15205
2,214		18384	14751
2.288		2628	1951
2.309		20866	15221
2.398		20546	13220
2.43		133699	91021
2.467		2750	2986
2.509		8201	5658
2.603		190851	128307
2.646		3522	4534
2.723		2993	2411
2.783	•	1630	3057
2.817		3436	2300
2.869		24076	25056
2.917		6457	6871
2.978		2542	1310
2.996	1	2630	1346
3.024	TCX	3800299	2618678
3.109	10%	2129	1459
3.166		4965	3794
3.195		2394	1545
3.228		66413	42827
3.286		5073	3668
3.316		2140498	1394900
3.361		12796	8619
3.408		2496	1322
3.487		5130	3669
3.52		1010672	681121
3,564		5131	6746
3.596		3555	2559
3.643		677740	465845
3.713		3252	2176
3.728		1764	757
3.78		17217	19864
3.821		89149	69414
3.853		14406	13847
3.887		3835	2729
3.934		361779	276661
3.964		26544	23754
4.005		6293	7265
4.061		2798	2734
4.084		3581	3626
4,128		14968	11451
4,159		2824	2705
4,191		27186	19281
4,221		47916	47461
4.27		20164	16982
4.307		46157	32291
4.325		19334	9999
4.343		30825	16564
4.36		43998	26730
4.388		2333	1932

RTA	Compound A	Height A	Area A
4.437		10922	12432
4.497		24912	17706
4.525		725193	648056
4.616		1978	1310
4,655		69532	82711
4.701		92989	72599
4.724		86161	73108
4.798		20410	23812
4.855		359998	334940
4.887		15949	13099
4,96		557619	561298
5.006		1873904	1726379
5.037		316815	311482
5.108	•	1175259	1152785
5.188		26630	19218
5,21		143048	113308
5.272		491404	479263
5.344	¥*	363543	359380
5.424		45571	74762
5,53		6663	16211
5.566		865150	862595
5.628		6334	3918
5.652		31103	24569
5.677		7574	4251
5.703		369987	351246
5.772		65548	47142
5,807		416390	519143
5.902		1727	2180
5.969		3955	5461
6.073		8777	10846
6.177		24434	25029
6.243		22132	34646
6.481		6710	7319
6.52	,	1461	1850
6.554		1126	933
6.623		20821	22115
6.77	DCB	1833136	1986787

Sample Number: EVALX1524C

AAEVALXAA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 5:31:21 PM

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

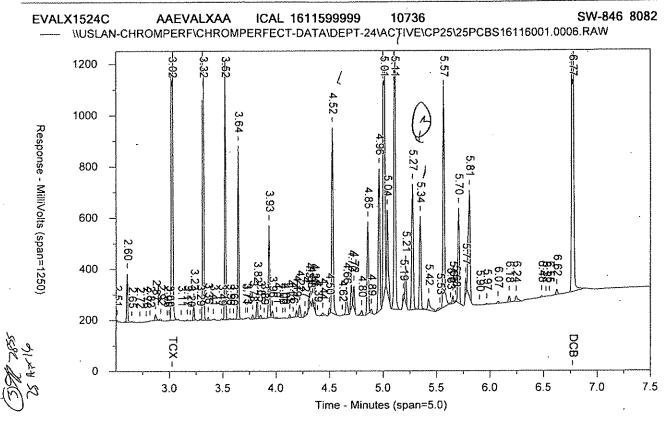
Column A ID: Z8 Multiresidue-1 $30m \times 0.32mm \times 0.5um$ Column B ID: Z8 Multiresidue-2 $30m \times 0.32mm \times 0.25um$

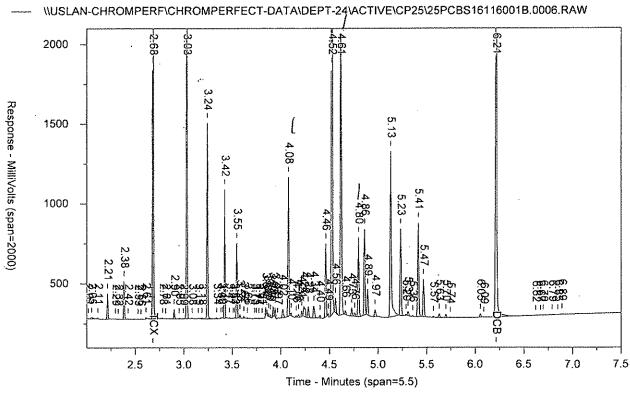
Data File: 25PCBS16116001B.0006.RAW

Method File: 25PCBSB.MET

RTB	Compound B	Height B	Area B
2.015	Compound D	2684	1961
		8581	15446
2.05			4875
2.114		6324	
2.214		161152	97022
2.295		2206	2067
2.324		1916	1958
2.383		239392	137957
2.424		4485	5807
2.527		1973	1771
2.555		1282	1348
2.608		10665	6557
2.68	TCX	4444764	2602845
2.782		5089	5365
2.812		2454	1626
2.9		59413	35083
2.952		3463	4930
2.994		3367	2507
3.028		2752478	1505318
3.083		3088	2564
3.147		4094	2372
3.183	,	4997	9822
3.239		1232834	719591
3.337		5782	4409
3.381		3853	2003
		7123	3342
3.396			
3.419		808611	457833
3.471		4565	3657
3.507		2485	2651
3.525		4644	2563
3,546		470994	296440
3.578	•	22247	14399
3.621		13051	7917
3.656		3345	1776
3.731		2980	1932
3.748		3345	2035
3,774		3380	3022
3.809		3406	2137
3.845		48788	26081
3.858		28280	11824
3.876		21709	10675
3.894		18449	11357
3.921		63324	37979
3.941		55990	32243
3,966		3169	2258
4.021		55328	50370
4.078		874930	591917
4,105		17145	10936
4.159		10730	8140
		19981	13522
4.181			
4.214		34699	20580
4.237		62874	78099
4.28		70153	60007
4.337		76040	77036
4.399		18211	14051

RT 8	Compound B	Height B	Area B
4.459	Composito D	460656	339634
4.486		18845	11782
4.523		3256228	2477434
4.56		91927	65806
4.614		1770045	1536533
4.661		24266	16713
4.727		51386	41534
4.758		21879	17153
4.796		498767	384477
4.859		540441	415129
4.891		164006	127088
4.969		45831	42156
5.126		1041012	1004399
5,23		544011	459928
5.287		8249	5274
5.308		28081	23638
5.356		9637	7460
5.412		586818	492378
5.466		235024	197444
5.568		8148	7455
5.629		24101	21634
5.697		21156	18634
5.744		5036	6780
6.051		21858	18850
6.086		1190	670
6.212	DCB	2608724	2403922
6.62		800	3426
6.669		1681	1695
6.697		1931	1982
6.789		876	297
6.848		886	2099
6.89		4113	6315





Sample Number: EVALX1524C

AAEVALXAA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 5:31:21 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.024	3800299	21,42	TCX	2.68	4444764	20,155	TCX
6.77	1833136	21.119	DCB	6.212	2608724	19.833	DCB

Files:

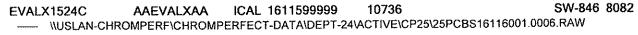
Area File: 25PCBS16116001.0006.RAW Area File: 25PCBS16116001B.0006.RAW

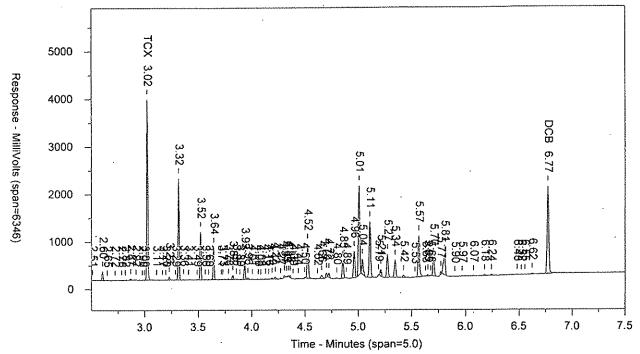
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

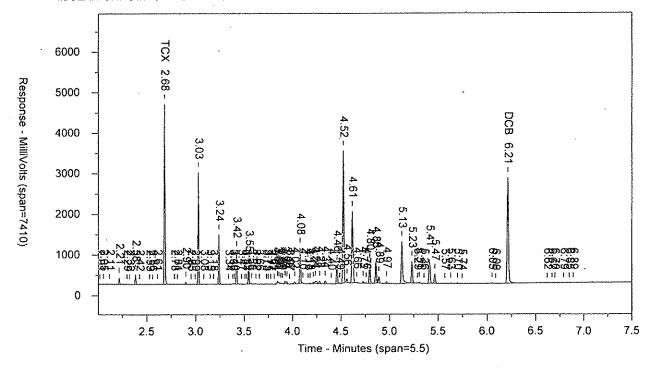
Format A: pestD25.FMTA' Format B: pestD25.FMTB

Area File Created On: 4/25/2016 5:39:51 PM File Reported On: 4/25/2016 at 5:40:01 PM





\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0006.RAW



Sample Number: AR1611624A

AAAR161AA

ICAL 1611599999

10736

SW-846 8082

Injection Volume: 1 ul

Analyst: 2855

Injected On: 4/25/2016 5:43:06 PM

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min Column A ID: ZB Multiresidue-1 $30m \times 0.32mm \times 0.5um$ Column B ID: ZB Multiresidue-2 $30m \times 0.32mm \times 0.25um$

Date File: 25PCBS16116001.0007.RAW

Method File: 25PCBS.MET

Canbian	On 7 no. 201 OD	0.01.001.0	// L
RTA	Compound A	Height A	Area A
2.049		12264	14016
2.122		1137	1361
2.176		10672	20193
2.224		2297	5694
2,31		4833	4593
2.398		24461	16093
2,424		1555	997
2,462		2254	2705
2.51	•	7006	5075
2.582		2085	2535
2.661		3999	3926
2.785		1508	3050
2.844		1285	3305
2,869		27813	29686
2,919		5843	4261
2.997		1247	623
3.024	TCX ·	866623	601212
	1CX		
3.178		33898	30262
3.236		48252	40450
3,285		203896	145311
3.326		1598	1296
3.362		2029	1064
3.38		27896	18352
3.503		215968	130114
3.52		104605	58601
3.558		27285	16480
3.575		8058	3454
3.591		19968	11800
3.622		255118	191200
3.658		4184	5407
3,697		8966	6229
3.734		61325	36527
3,749		35326	17382
3.794		140032	79618
3.806		244181	129409
3.845		281011	228967
3.908		239401	197235
3.949		21558	14655
3.975		178687	133407
4.003		134084	115843
4.027		49606	27216
4.105		191246	144982
4.13		74905	49709
4.162		85509	61738
4.199		195011	207117
4.24		68338	55410
4.288		12325	9576
4.324		67736	65517
4.363		193316	151886
4.384		56595	33794
4.408		58728	43423
4.434		10247	7630
4.477		34275	
			29819
4.521		202202	193543

RTA	Compound A	Height A	Area A
4.637		4125	5837
4.666		15231	12970
4.721		24054	16521
4.736		46522	31919
4.783		137948	125526
4.829		179018	214478
4.868		47582	35251
4.909		383625	377703
4.956		1622	1472
5.002		75299	88527
5.034		4699	2959
5.06		82947	75181
5.112		450998	585401
5.164		96983	86546
5.206		242002	263543
5,248		3484	1828
5.285		52866	63402
5.322		535707	608546
5.383		255832	242488
5.426		183630	172042
5.548		315467	455032
5.606		159878	148022
5.646		85594	73689
5.687		18106	16345
5.73		121239	117355
5.785		657646	714376
5.871		1278	804
5.991		375436	402867
6.031		. 113513	223942
6.177		12924	11753
6.241		11568	10677
6.264		68667	62249
6.419		166122	159097
6.466		9932	12777
6.512		2229	2268
6.621		41590	40404
6.768	DCB	442489	475997
6.865		1726	2634
6.903		1869	4708

Sample Number: AR1611624A

AAAR161AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 5:43:06 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274 Analyst: 2855 Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

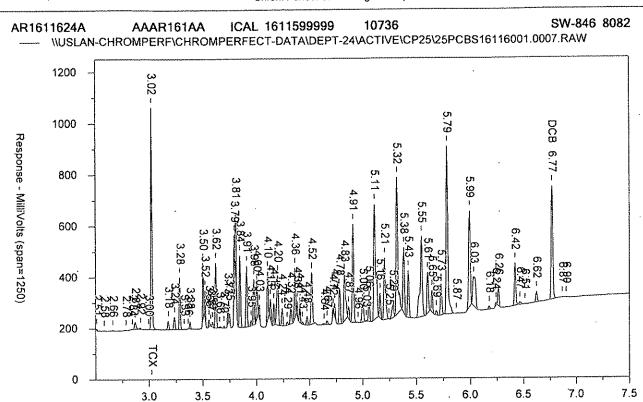
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

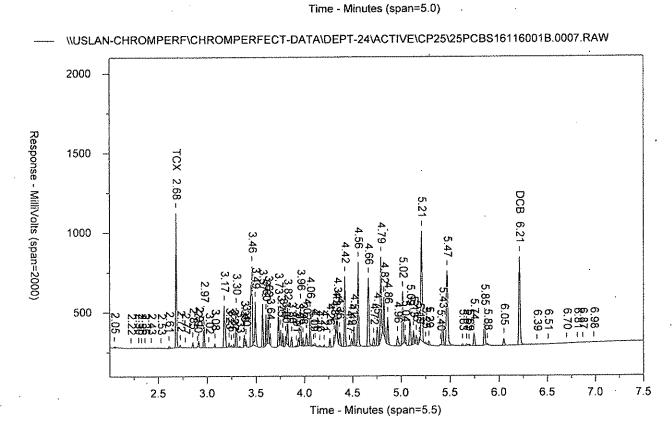
Data File: 25PCBS16116001B.0007.RAW

Method File: 25PCBSB.MET

RT B 2.047	Compound B	Height B 7815	Area B 14102
2.217		1368	2260
			3695
2.296		2533	
2.326		1421	1576
2.361		2058	1287
2,426		2182	2783
2.527		1580	8518
2.608		15601	17626
2.68	TCX	849528	504790
2.723		15895	10931
2.773		2092	3617
2.851		33799	21072
2.9		5354	2130
2.912	÷	35160	18210
2.965		200062	119766
3.016		2402	1575
3,077		25909	15723
3.173		263741	247497
3.225		29816	17390
3.247		14708	7952
3.273		22715	12419
3.297		246955	160556
3.333		8844	4961
3,379		68980	35157
3.395		40543	19866
3.457	,	499370	497588
3.491		499370 276111	202214
3.566		272020	164514
3.6		194510	117613
3.625		209080	116055
3.643		73245	36532
3,73		241213	154104
3.754		94729	50009
3.774		82647	49229
3.805		52607	26686
3.822		194926	116467
3.865		65212	47129
3,913		8480	6716
3.935		51286	30770
3.957		262927	170442
3.983		53645	31562
4.02		78881	67205
4.057		215474	142145
4.093		8324	5155
4.11		16614	10705
4.159		11988	10822
4.206		13904	11280
4.264		56038	39575
4.308		51621	30171
4.326		43681	23061
4.338		141373	76117
4.364		80893	83399
4.418		438567	337202
4.465		5934	4408
4,400		J934	4400

		~~~~~	
RT B	Compound B	Height B	Area B
4.489	·	46071	31805
4.513		105979	73768
4.556		527784	409813
4.661		428421	396377
4.717		50533	41816
4.754		116508	97710
4.791		511226	427280
4.823		238049	168911
4.862		171062	135594
4.964		61064	61182
5.016		327594	251903
5.041		49617	31650
5.091		166639	150873
5.127		87244	64944
5.155		57851	47907
5.188		22394	13561
5.209		686178	568597
5.25		13124	8852
5.285		26219	24021
5.402		7739	5001
5.426		148665	120389
5.471		469399	526025
5.627		12120	9977
5.67		12239	9131
5.695		8866	7114
5.744		80255	70150
5,85		165786	139664
5.88		7909	5328
6.05		44030	41672
6.211	DCB	554248	513744
6.393		853	1105
6.507		773	1065
6.7		2073	5379
6.811		961	715
6.869		966	1183
6.983		1173	1277





Sample Number: AR1611624A

AAAR161AA IÇAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 5:43:06 PM

Sample Weight: 1
Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um

Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	Compound B
3.024	866623	4.885	TCX	2.68	849528	3.852	TCX
6.768	442489	5.098	DCB	6.211	554248	4.214	DCB

Files:

Area File: 25PCBS16116001.0007.RAW Area File: 25PCBS16116001B.0007.RAW

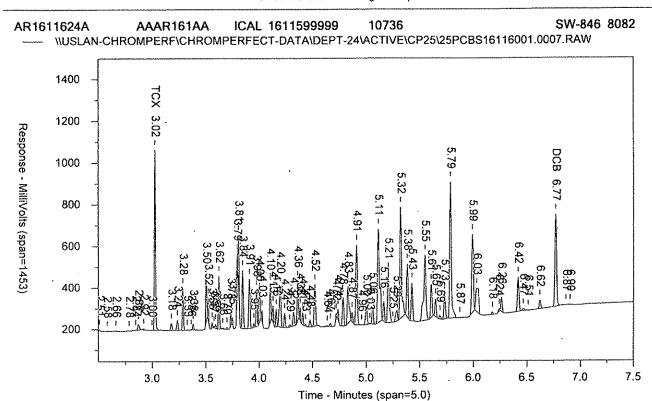
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

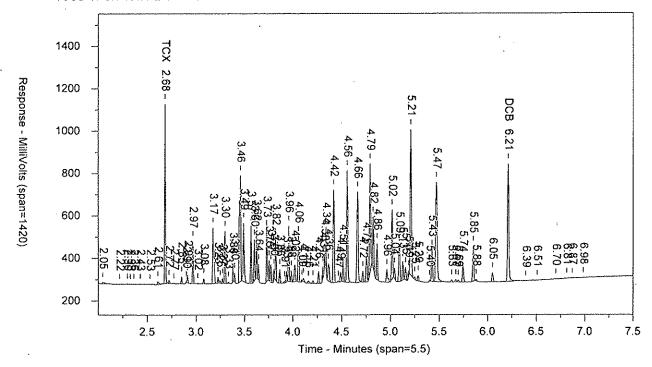
Format A: pestD25.FMTA

Format 8: pestO25.FMTB

Area File Created On: 4/25/2016 5:51:36 PM File Reported On: 4/25/2016 at 5:51:43 PM







10736

#### LANCASTER LABORATORIES

Sample Number: AR1621624A

AAAR162AA ICAL 1611599999 SW-846 8082

Injected On: 4/25/2016 5:54:49 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0008.RAW

Method File: 25PCBS.MET

RT A	Compound A	Height A	Area A
2.049	Compound	15719	17508
2.109		1647	2394
2.109		17676	51155
			2362
2.285		2378	
2.309		21836	17219
2.398		20986	13469
2,421		8183	6319
2.465		3770	4824
2.51		9857	7616
2.581		2958	3175
2.628		2182	1442
2.659		6301	5565
2.724		2918	2068
, 2.781		1158	1660
2.819		3667	2690
2.868		44883	48907
2.917		8205	7664
2.995		2647	1422
3.023	TCX	3762414	2541856
3.081		3460	2086
3.177		62641	57165
3.234		93688	100643
3.285		365466	258762
3,33		5087	4015
3.36		10032	5565
3.38		49734	32348
3.408		4846	3762
3.503		366377	230219
3.52		189914	104924
3.558		53714	31773
3.574		14078	6218
3,591		38875	22033
3.622		443842	346110
3.657		4082	4958
3.697		15288	11536
3.733		112337	63940
3.749		65528	31844
3.794		241732	138818
3.806		443407	235943
3.844 3.908		512046 440356	413919
			355526
3.949		39075	26312
3.975		315499	238946
4.003		238982	204974
4,026		83869	44603
4.105		334395	257159
4.13		126363	85425
4.161		149059	110812
4.198		349033	372623
4.239		122503	103740
4.287		22625	17703
4.323		73383	72893
4.362		362361	272205
4.383		95242	60985

RTA	Compound A	Height A	Агеа А
4.408		105805	79304
4.434		9209	6072
4.476		63245	57384
4.521		364716	347707
4.556		7624	4750
4.624		7331	11599
4.666		29121	24578
4.721		38505	29438
4.736		82315	56452
4.782		245086	228372
4.829		326974	383562
4.868		85150	64944
4.908		700381	678998
4.96		2983	2164
5.001		140256	158151
5.034		10078	6592
5.059		140607	131933
5.112		821152	1058001
5.163		168904	152114
5,206		431081	480481
5.247		6445	3569
5.285		92899	115986
5.321		903007	862027
5.343		47010	23174
5.382		468702	432058
5.426		320472	312660
5.548		578365	811458
5.605		282886	266455
5.645		154667	133596
5.686		40497	35757
5.729		219229	214059
5.785		1204577	1303262
5.871		1916	1986
5.991		683344	731421
6.03		44736	59527
6.044		89408	69286
6.175		34678 ⁻	35404
6.24		31180	23569
6.263		128332	112845
5.419		291429	295525
6.466		19128	23163
6.519		2981	3844
6.59		1445	1390
6.62	D0D	88878	89372
6.767	DCB	1817629	2050599

Sample Number: AR1621624A

AAAR162AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 5:54:49 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274 Analysi Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Analyst: 2855

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um

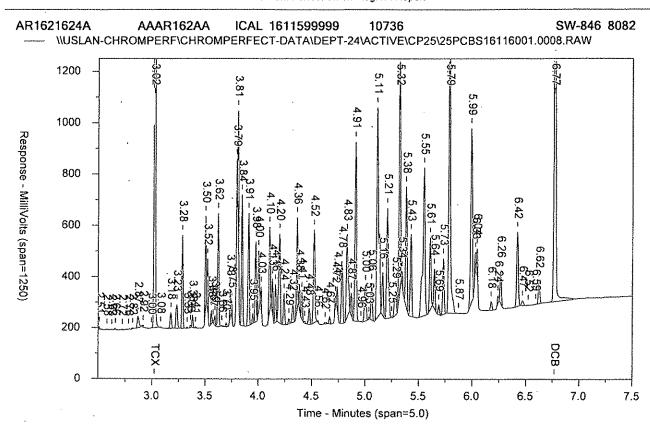
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Data File: 25PCBS16116001B.0008.RAW

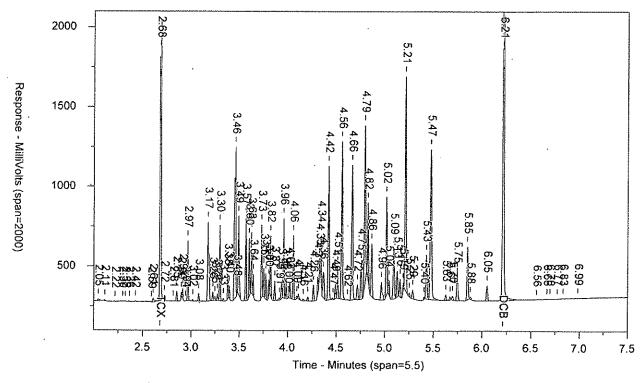
Method File: 25PCBSB.MET

RTB	Compound B	Height B	. Area B
2.049		11714	19730
2.114		7769	5492
2.218		2456	2772
2.297		2728	3750
2.323		2185	1731
2,362		3607	2457
2.424		4356	6017
2.59		2743	1510
2.608		24012	29559
2.68	TCX	4350646	2513962
2.723		28140	18458
2.815		2518	2088
2,851		64334	40768
2.9		33953	15510
2.912		57681	26873
2.945		1602	849
2.965		377032	217844
		10259	5733
3.017		49464	32879
3.077 3.174		498006	461086
	•		
3.225		56282	33404
3.248		26736	15431
3,273		43453	23042
3.297		475582	302337
3.334		18139	11200 67538
3.38		128812 77436	37438
3.396			
3.457		947297	955797
3,477		27994	10202
3.491		492163	322688
3.567		517543	317706
3.601		367133	217435
3.625		382430	217074
3.643		134820	67996
3.73		460735	293384
3.754		179686	95952
3.774		160574	94123
3.805		102405	52855
3.822		375527	222013
3,866		124635	89852
3,914		16391	12762
3.935		98678	58214
3.957		501015	323812
3.983		102862	60335
4.004		10211	4551
4.021		100141	66648
4.058		401031	270950
4.093		16729	10334
4.11		31263	22486
4,159		12224	11929
4.206		27782	24517
4.264		100972	74748
4.308		105465	59576
4,326		96521	46018

RT B	Compound B	Height B	Area B
4.339		264804	140590
4.365		159665	162242
4.418		840767	637528
4.465		11253	7996
4.489		91051	61667
4.513		199204	139155
4.556		989553	773377
4.616		2536	2613
4.662	•	846307	754796
4.717		94676	81895
4.755		226817	189261
4.792		1002083	826308
4.824		472838	316872
4.863		332267	258463
4.965		112421	116993
5.017		618698	480198
5.042		89168	59208
5.092		321943	287209
5.127		161058	125120
5.156		111747	94790
5.189		48976	27026
5.21		1339707	1101463
5.251		25473	18280
5.286		55640	46315
5.403		15292	9511
5.426		275982	228775
5.471		941399	1005709
5.628		36636	30770
5.67		22592	17442
5.696	•	26352	21156
5.745	•	154823	139228
5.85		331976	268276
5.88		14558	10627
6.05		95375	88081
6.211	DCB	2633064	2357443
6,556		802	1152
6.664		2258	1804
6.696		1738	1453
6.773		827	904
6.833	•	962	1942
6.986		1130	954







#### Chrom Perfect Chromatogram Report

10736

# LANCASTER LABORATORIES

Sample Number: AR1621624A

AAAR162AA ICAL 1611599999

SW-846 8082

Injected On: 4/25/2016 5:54:49 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.023	3762414	20.957	TCX	2.68	4350646	19.7	TCX
6.767	1817629	20.819	DCB	6.211	2633064	20.294	DC8

Files:

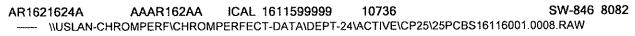
Area File: 25PCBS16116001.0008.RAW Area File: 25PCBS16116001B.0008.RAW

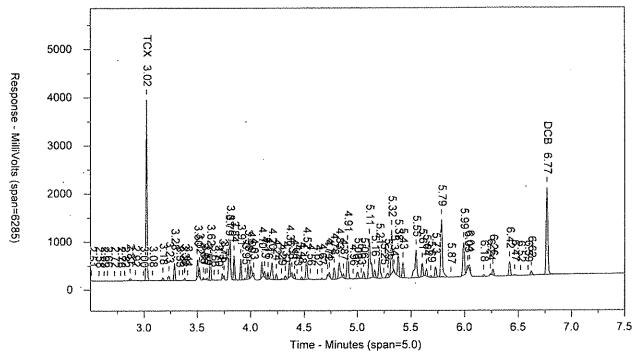
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

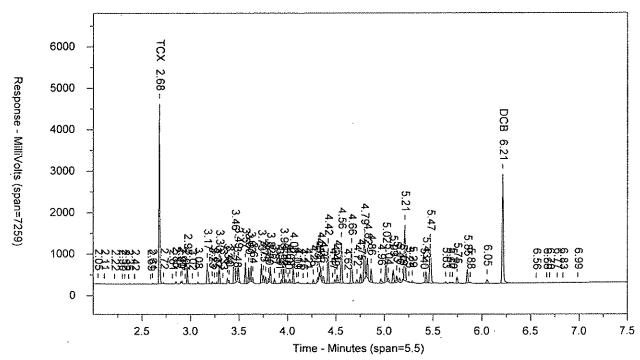
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 6:03:19 PM File Reported On: 4/25/2016 at 6:03:27 PM





# \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0008.RAW



Sample Number: AR1631624A Injected On: 4/25/2016 6:06:29 PM AAAR163AA ICAL 1611599999

10736

SW-846 8082

Injection Volume: 1 ul

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0009.RAW

Method File: 25PCBS.MET

Instrument ID: CP25-18274

RT A	Compound A	Height A	Area A
2.05		12377	15028
2.132		1433	2141
2.175		10745	21158
2,287		1889	1217
2.309		41952	31491
2.398		16090	10003
2.421		16215	10557
2,463		2662	3024
2.51		6913	5494
2.584		2798	4069
2.66		11009	9670
2.797		1115	3239
2.868		26656	32280
2.918		6034	4203
2.942		2707	2355
3.024	TCX	6898314	4847911
3,178		112413	98098
3.234		171398	179845
3.285	•	651886	457913
3.361		19611	11102
3.38		90374	60155
3.419		2327	1575
3.504		686676	418736
3,521		346102	191399
3.559		102487	82839
3.592		70946	40775
3.623-	•	810797	617788
3.659		5987	3359
3.677		4529	2640
3,698		31455	20901
3.735		266020	310556
3.807		1553275	1974057
3.846		938822	749151
3.909 ¬		823030	661677
3.95		74454	51728
3.977		575902	431102
4.004		436041	369060
4.027		145888	81992
4.107	•	648448	471582
4.132		227434	158158
4.164		265126	195373
4.2		646861	677937
4.242		218127	183495
4.288		37414	30179
4,326		84993	85457
4.364		654606	499993
4.385		181341	111381
4.41		193887	145683
4,436		8224	5044
4.478	•	113196	101524
4.523		671575	625519
4.558		15504	9806
4.625		7051	7943
4.668		56391	50798

RTA Compound A	Height A	Area A
4.722	81891	57169
4.737	146748	99502
4.784	444909	411297
4.831	596835	694161
4.87	157577	118354
4.914	1295721	1230891
4.961	7019	5550
5.003	255541	279661
5,035	20636	13763
5.061	253002	238264
5.113	1505892	1926168
5.165	307355	276740
5.207-	785659	881401
5.2 <b>5</b>	12205	6953
5.286	.174159	211443
5.322	1818097	2009980
5.384~	858397	786932
5.427	. 570465	572159
5.549~	1044593	1496932
5.607	508876	480095
5.647	282909	246755
5.688	77436	71538
5.731	399111	393917
5.787-	2284461	2404239
5.993 ←	1249933	1353623
6.044	387027	762033
6.179	66355	63800
6.242	57983	45851
6.266	240529	211191
6.372	. 956	1572
6.422	540445	545079
6.468	38321	50826
6.519	1846	1563
6.549	1008	899
6.623	163836	172567
6.77 DCB	3369833	3770737

Sample Number: AR1631624A

AAAR163AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 6:06:29 PM

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274 Analys
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

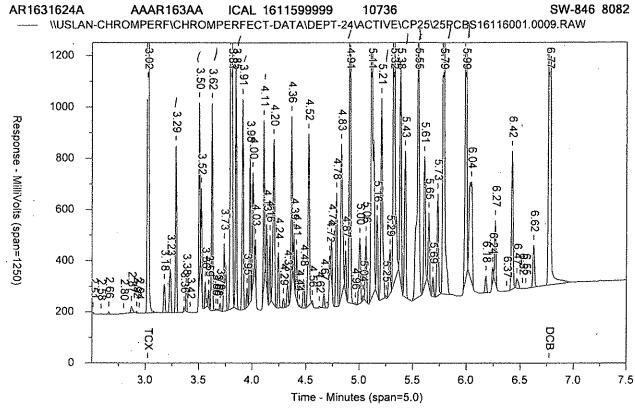
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

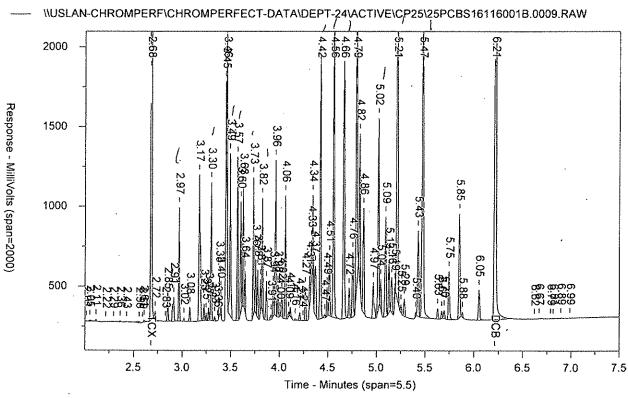
Data File: 25PCBS16116001B.0009.RAW

Method File: 25PCBSB.MET

		11-1	A D
RTB	Compound B	Height B	Area B
2.013		2068	949
2.05		7375	13148
2.115		13036	8860
2.216		941	732
2.294		2367	3132
2.362		6904	4199
2.426		1972	2250
2,558		8055	27384
2,593 2,608		3455 13273	3531 13909
	TCX	8990089	5113268
2.68 2.723	IUX	48779	32141
2.723		1202	538
2.851		122087	78045
2.912		150878	147504
2.965~		715116	416437
3.017		21343	12412
3.078		89857	55467
3.174		918162	860358
3.226		105686	64191
3.248		50119	27852
3.274		80832	44215
3.298-		867686	573961
3.335		30242	17086
3.363		4363	1858
3.381		252086	128990
3.397		152396	73037
3,447		706598	304710
3.458		1175572	508952
3.492-	•	1016138	731388
3.568~		1030499	612036
3.602		699639	413721
3.626		744489	412551
3.645		251147	129756
3.732~		864971	557508
3.755		335868	182489
3.776		299520	175201
3.806	, ,	194716	98974
3.824 🛩	•	704212	427484
3.867		243582	173859
3.915		31804	25716
3.937		192027	113004
3.959		975745	619054
3.985		200045	119664
4.005		25151	11036
4.023		153202	97346
4.058		773554	517245
4.095		30297	19519
4.111		59250	39848
4.16		11649	12886
4.207		49716	38434
4.241	•	2252	814
4.265		208077	146751
4.309		186656	110034

RTB Compound B	Height B	Area B
4.327	157458	82756
4.34	505425	272864
4.367	303429	310558
4.419~	1668680	1239495
4.466	22297	15813
4,49	182364	119587
4.515	379941	269885
4.558	1904301	1515387
4.662	1611306	1480861
4.718	189079	157713
4.755	405986	346737
4.792	2008637	1646930
4.825	909087	626049
4.864	653864	502465
4.966	226040	228843
5,018	1201750	938560
5.043	179248	118692
5.093	626834	552538
5,128.	319032	244585
5.156	220816	189783
5.19	88668	50484
5.21~	2748094	2188983
5.252	48079	34633
5.287	111141	90261
5.403	29251	18531
5.426	535409	439536
5.471~	1844081	1976208
5.628	66478	57736
5.671	45909	35136
5.696	50677	39386
5.746	301924	267649
5.85	650831	522406
5.882	30692	21435
6.051	189587	173312
6,212 DCB	5114950	4652748
6.618	840	1116
6.666	3814	3506
6.786	945	2116
6.814	1047	1187
6.892	2449	3490
6.986	1242	1698





# Chrom Perfect Chromatogram Report

## LANCASTER LABORATORIES

Sample Number: AR1631624A

ICAL 1611599999 AAAR163AA

10736

SW-846 8082

Injected On: 4/25/2016 6:06:29 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	Compound B
3.024	6898314	38.222	TCX	2.68	8990089	40.718	TCX
6.77	3369833	38.533	DCB	6.212	5114950	39.412	DCB .

Files:

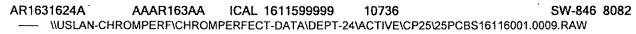
Area File: 25PCBS16116001.0009.RAW Area File: 25PCBS16116001B.0009.RAW

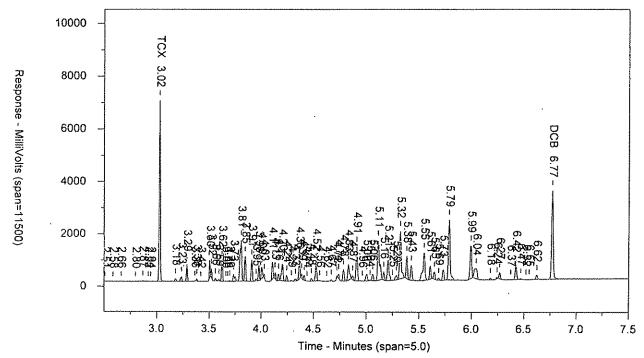
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

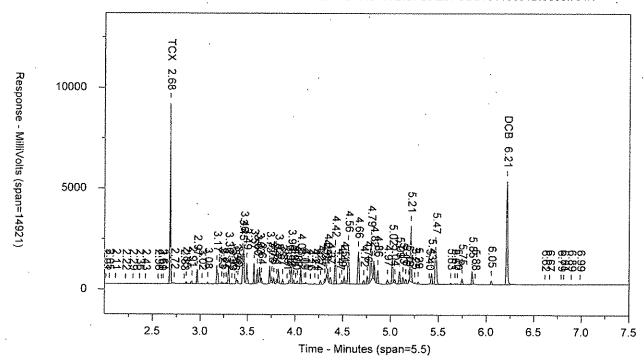
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 6:14:59 PM File Reported On: 4/25/2016 at 6:15:05 PM





# \USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B,0009.RAW



Sample Number: AR1641624A Injected On: 4/25/2016 6:18:10 PM AAAR164AA

ICAL 1611599999 1

10736

SW-846 8082

Injection Volume: 1 ul

Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um - Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0010.RAW

Method File: 25PCBS.MET

RTA	Compound A	Height A	Area A
2.049		10694	14030
2.174		10587	19749
2.224		2193	5375
2.286		2183	1969
2.309		63933	46026
2,398		23643	15017
2.421		24123	15654
2.465		2880	3450
2.51		6644	5426
2.582		2333	3253
2.659		22831	17711
2.793		1048	2549
2.868		26777	32308
2.917		4365	3077
2.941		5082	3921
3.024	TCX	10269880	7142865
3.177		248065	217207
3.235		354271	340170
3.284		1437727	1009887
3.33		2188	1630
3.361		27467	14631
3.379		192956	132167
3.419		5817	4220
3.463		1815	1040
3.503		1507407	933860
3.52		752908	422678
3,557		203381	120890
3.574		60687	26697
3.591		143106	85911
3.621		1911419	1368224
3.657	•	14409	8722
3.676		6822	3637
3,697		75207	49885
3.734		450325	259858
3.749		244696	119792
3,794		1169094	588688
3.806		1945646	1041333
3.845	•	2107562	1685419
3,908		1911363	1492525
3.949		162241	111938
3.975		1283790	954020
4.003		942198	804870
4.026		311158	175685
4.105		1388381	1048016
4.13		492596	340827
4.162		574688	428177
4,199		1383503	1512089
4.241		484166	399089
4.287		81456	62283
4,325	•	125107	124521
4.362		1500633	1130259
4.384		415672	254443
4.408		431873	325370
4.477		252823	219331

~~~~~			
RT A	Compound A	Height A	Area A
4.522		1444620	1376068
4.557		36190	23169
4.599		1502	933
4.622		16280	15518
4.666		118786	113980
4.72		203392	128229
4.736		329436	220848
4.783		962130	903294
4.829		1306476	1519594
4.868		337411	257658
4.909		2820039	2745866
4.96		15939	13270
5.003		541780	599248
5.033		45042	29341
5.06		581433	523486
5.112		2788448	2229299
5.131		470595	289247
-5.162		664277	594921
5.206		1779846	1966136
5.248		25865	14443
5.286		371743	450195
5.322	•	4021910	4502044
5.383		1841409	1741662
5.426		1305338	1299560
5,548		2357718	3351754
5,605		1111247	1047147
5.645		621502	547511
5.687		168419	151022
5.729		913826	872262
5.785		5127468	5373441
5.869		5846	5770
5.992		2890311	3040353
6.031		174863	262550
6.043		283739	202208
6.142		1919	1250
6.178		120078	118534
6.24	•	114355	91314
6.264		520019	471215
6,421		1226539	1195652
6.466		79585	83763
6.622		344903	361660
6.77	DCB	5022415	5407176

Sample Number: AR1641624A

AAAR164AA ICAL 1611599999 10736

SW-846 8082

Injected On: 4/25/2016 6:18:10 PM

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um

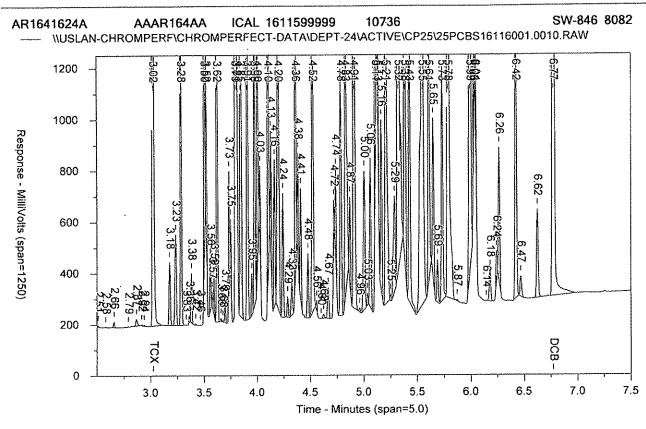
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

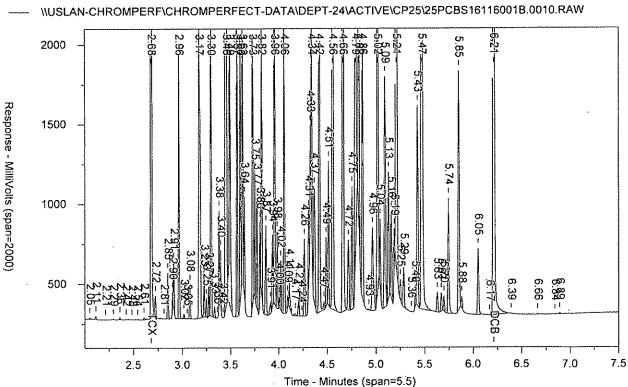
Data File: 25PCBS16116001B.0010.RAW

Method File: 25PCBSB.MET

07.0	0	Hartenba D	A D
RTB	Compound B	Height B	Area B
2.05		7346	12657
2.114		20177	13442
2.213 2.294		1409	1466
2.294		3334	5155 10200
2.423		16823	
2.423		2389	2495
		1237 2323	1520
2.541 2.608			5807
2.68	TCX	13708 13868680	16718 7923498
2.723	TUX	123560	7923496 83001
2.723		125566	771
2.851		288232	185113
2.899		96389	40719
2.912		281294	138554
2.965		1665858	978239
3.016		31669	18197
3.051		1995	1168
3.077		214096	131435
3.173		2126357	2013911
3.225		240094	143784
3.247		116462	63885
3.273		186839	102259
3.297		2050937	1360304
3.333		69876	39911
3.362		5542	2296
3.38		589139	303762
3.396		338390	167541
3.422		3492	1528
3.457		4695332	4621424
3.491		2438630	1758222
3.566		2534529	1491698
3.6	•	1659862	987047
3.625		1823652	987885
3.643		617843	311739
3.73		2087258	1332629
3.753		780963	428121
3,774		691501	406698
3.805		453931	239363
3.822		1798988	1038605
3.865		561703	405514
3.914		73725	59232
3.935		450352	269044
3.957		2400787	1491097
3.983		482354	285504
4.003		67353	31337
4,021		308217	186710
4.057		1858064	1230023
4.093		76191	47349
4.109		147557	97103
4.17		16334	18734
4.206		116284	89849
4.24		3418	1486
4.264		486059	347882

			A F
RTB	Compound B	Height B	Area B
4.308		437984	250642
4.325		462351	224305
4.339		1172693	644655
4.366		717346	733057
4.418		4203641	3006103
4.466		51913	37021
4.489		434162	287103
4.513		903402	640763
4.556		5024527	3698521
4.662		4067796	3642645
4.716		443067	371272
4.753		771701	672823
4.791		4846674	4030252
4.824		2253400	1499304
4.863		1606109	1214763
4.928		6756	6488
4.965		522862	548435
5.017		2832679	2283340
5.042		427056	285538
5.092		1447588	1316794
5.127		797192	586980
5.156		542136	444534
5.188		236706	139642
5.21		7166527	5540079
5.251		126029	92060
5.286		247367	204111
5.362		3403	2420
5.402		68657	42990
5.425		1257357	1040235
5.47		4598340	4838544
5.628		124736	109149
5.67		114723	86038
5.695		95950	72146
5.744		723629	619442
5.849		1499292	1252001
5.88		71942	50227
6.05		416396	357790
6.171		1559	1158
6,211	DCB	7921581	6924956
6,39	555	1749	1254
6.665		5557	4894
6.841		1426	2743
6.891		7559	9359
0.091		1009	3008





Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR1641624A

AAAR164AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 6:18:10 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.024	10269880	56.822	TCX	2.68	13868680	62.673	TÇX
6.77	5022415	57.018	DCB	6.211	7921581	61,147	DCB

Files:

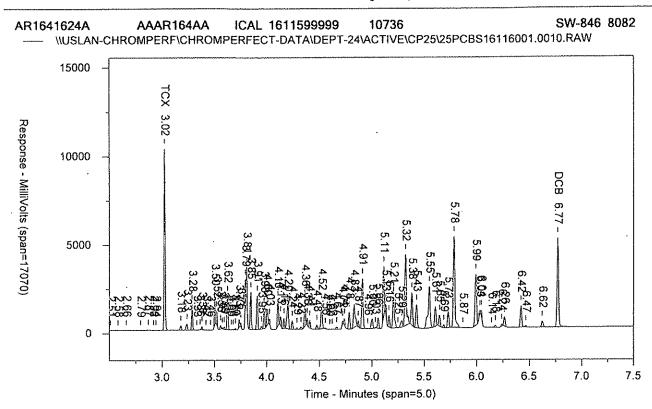
Area File: 25PCBS16116001.0010.RAW Area File: 25PCBS16116001B.0010.RAW

Method A: 25PCBS.MET Method B: 25PCBSB.MET

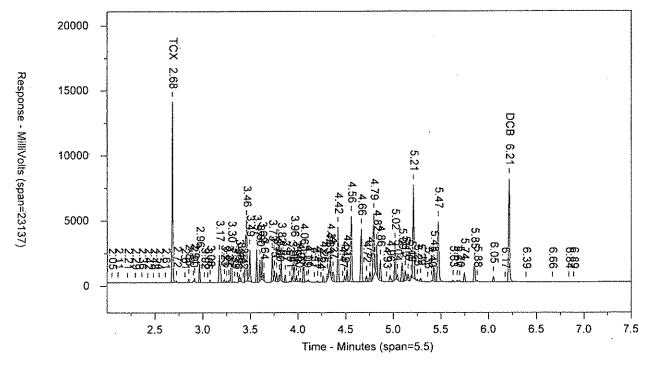
Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 6:26:40 PM File Reported On: 4/25/2016 at 6:26:45 PM







10736

LANCASTER LABORATORIES

Sample Number: AR1651624A

AAAR165AA ICAL 1611599999 SW-846 8082

Injected On: 4/25/2016 6:29:48 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0011.RAW

Method File: 25PCBS.MET

RT A	Compound A	Height A	Area A
2.049		10520	13617
2.175		13428	39686
2.287		2608	1535
. 2.309		81883	57884
2.398		22483	14367
2.421		31462	20249
2.469		2106	2783
2.405		6846	5839
		2428	3069
2.58		2426 42079	31156
2.659			
2.746		1628	916
2.797		981	1902
. 2.844		1151	2305
2.868		32550	35181
2.918		4763	3164
2.941		8567	6319
3.024	TCX	12798640	9087927
3.177		452935	396432
3,235		634033	555381
3.285		2711605	1864445
3.361		34081	17211
3.38		357852	246206
3.419		11178	7397
3.503		2841139	1740934
3.521		1456025	794286
3.558		356377	218270
3.575		112271	49194
3.592		264916	153058
3,622		3442191	2539630
3.657		23937	13353
3.674		15112	8652
3.697		140426	94141
3.734		805075	477827
3.749		442078	221669
3.794		2052011	1115479
3.806		3409716	1880711
3.845		3996021	3145695
3.908		3622825	2801426
3.949		283304	199917
3.976		2440530	1766300
		1793314	1513145
4.003			
4,026		581411	329825
4.105		2623480	1964164
4.13		929974	619817
4.162		1068011	797906
4.199		2699046	2836436
4.24		865294	728144
4.286		145604	115645
4.327		195818	184298
4.362	•	2848809	2126258
4.384		777460	467230
4.408		780248	596718
4.477		451822	400626
4.521		2725634	2560579

RTA	Compound A	Height A	Area A
4.557		64777	39535
4.599		3066	1790
4.623		28304	24530
4.666		222113	207001
4.72		355280	233329
4.736		606201	386225
4.783		1859780	1669340
4.83		2509549	2837032
4.869		638584	479006
4.908		5386489	5102960
4.959		25243	21717
5.002		1013757	1091116
5.033		60468	40197
5.059		1029058	958490
5.113		6416682	8010615
5.163		1265939	1105087
5.205		3340783	3686358
5.248		48101	25888
5.285		681589	808669
5.321		7176192	6840800
5.343		359038	191374
5.384		3684346	3261820
5.426		2438954	2337351
5,547		4525066	6167236
5.606		2097740	1948005
5.646		1157237	1001455
5.686		275225	267178
5.73		1710003	1615267
5.785		9465241	10027560
5.87		13710	13548
5.927		3741	4218
5.991		5448775	5714123
6.029		534903	538102
6.044		564565	428778
6.177		187535	184580
6.241		195085	154791
6.264		987628	878344
6.363		1518	2370
6.421		2226864	2225971
6.466		161038	147288
6.622		604900	632129
6.72		1804	2968
6.77	DCB	6338932	6685168

Sample Number: AR1651624A

AAAR165AA ICAL 1611599999 10736

SW-846 8082

Injected On: 4/25/2016 6:29:48 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274 Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Analyst: 2855

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um

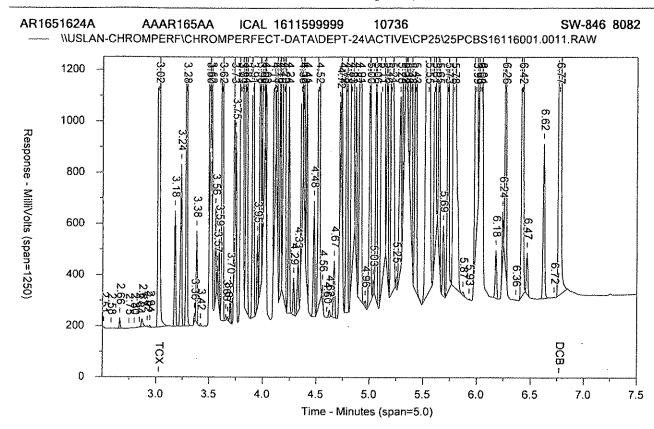
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

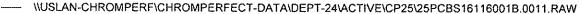
Data File: 25PCBS16116001B.0011,RAW

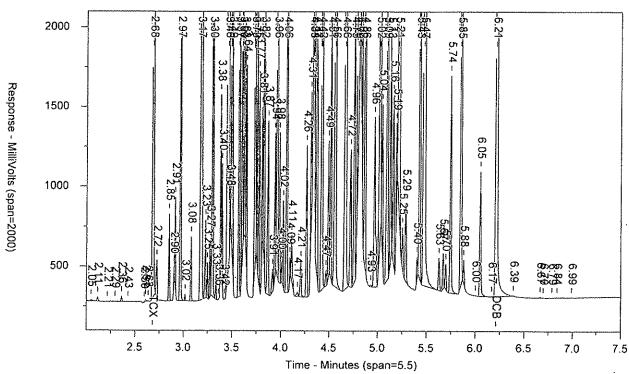
Method File: 25PCBSB.MET

RTB	Compound B	Height B	Area B
2.048	······································	7579	13794
2,114		26863	17522
2.213		1629	1624
2.295		2483	3163
2.361		33277	20706
2.427		2806	3324
2.593		3375	3830
2.608		14195	9473
2.635		5480	3169
2.68	TCX	17681430	10421750
2,723		227579	164883
2.851		546898	356587
2.899		115466	48631
2.912		554000	283141
2.965		3196216	1875279
3.017		41472	23704
3,077		405789	248745
3.173		4114626	3867872
3.226		490593	294374
3.247		225141	123773
3.273		356636	195628
3.297		4099228	2646327
3.334		135110	76084
3.362		5753	2463
3.38		1143229	594972
3.396		678868	321647
3,423		7028	3142
3.458		9600396	9177205
3.477		219588	78884
3.491		4428176	2935326
3.567		4997203	2980584
3.601		3244595	1931344
3.625		3632473	1965940
3.643		1207915	618923
3.73		4168189	2656155
3.754		1576376	837051
3.775		1324344	779200
3.805		925503	473434
3.823		3533274	2078372
3.866		1088556	788526
3.914		144332	116786
3.936		906605	528757
3.957		4822010	2975396
3.983		940967	563797
4.004		126140	61342
4.022	•	535574	325905
4.058		3682770	2435043
4.094		145315	91941
4.11		277141	184301
4,171		29576	27418
4.206		223637	182403
4.264		952448	672487
4.308	•	890012	504536
4.325		884514	453011

 		····	
RTB	Compound B	Height B	Area B
4.339		2451160	1345048
4.365		1446085	1445736
4.418		8454999	5978124
4.466		99478	· 75473
4.489		860943	560842
4.513		1826983	1262952
4.556		9878776	7394672
4.662		8057666	7308536
4.717		862425	730082
4.754		1809230	1549407
4.792		9943731	8178368
4.824		4349878	2948832
4.863		3292517	2459256
4.929		10819	10446
4.964		1066456	1084818
5.017		5668250	4618665
5.042		869099	565540
5.092		3024588	2605263
5,127		1484068	1143705
5.155°		1034161	859213
5.188		527848	300699
5.21		14332390	11319640
5.251	•	250465	181776
5.285		483773	387249
5.402		138934	86352
5.426		2544930	2061576
5.47		9425692	9769799
5.627		203684	171628
5.67		223974	171378
5.695		155388	115961
5.744		1361251	1207676
5.849		3028805	2481938
5.88		145263	103121
6.002		2432	1507
6.05		782196	672296
6.168		1989	1617
6.211	DCB	10058630	9046737
6.39		5131	5082
6.666		7091	6310
6.698		1451	1276
6.787		854	981
6.841		1646	2281
6.991		1178	1020







Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR1651624A

AAAR165AA ICAL 1611599999

10736

SW-846 8082

Sample Weight: 1

Dilution Factor: 1

Injected On: 4/25/2016 6:29:48 PM

Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 $30m \times 0.32mm \times 0.5um$ Column B ID: ZB Multiresidue-2 $30m \times 0.32mm \times 0.25um$

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RT 8	Height B	Amount B - PPB	Compound B
3.024	12798640	70.556	TCX	2.68		79.65	TCX
6.77	6338932	71.08	DCB	6.211	10058630	77.396	DCB

Files:

Area File: 25PCBS16116001.0011.RAW Area File: 25PCBS16116001B.0011.RAW

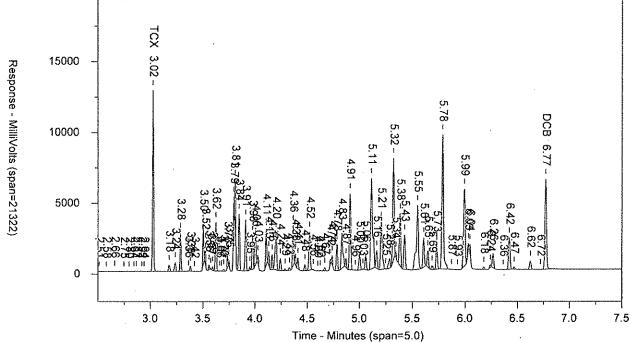
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

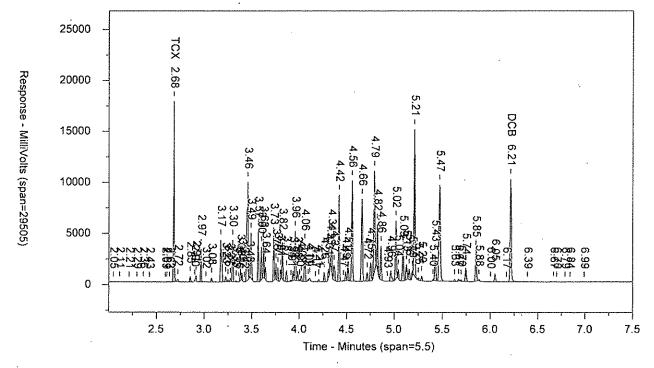
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 6:38:21 PM File Reported On: 4/25/2016 at 6:38:31 PM





- \\USLAN-CHROMPERF\CHROMPERFECT-DATA\\DEPT-24\\ACTIVE\\CP25\\\25PCBS16116001B.0011.RAW



Sample Number: AR4811624A

AAAR481AA

ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 6:41:34 PM

Instrument ID: CP25-18274

Analyst: 2855

Injection Volume: 1 ul

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0012.RAW

Method File: 25PCBS.MET

RT A	Compound A	Height A	Area A
2.051	Outipodita i	7901	9304
2.125		1274	2046
2.175		15470	45378
2.308		4870	4865
2.398		22146	14739
2.463		2794	3430
2.511		4607	3148
2.581		2381	2547
2.661		2217	2375
2.722		1005	809
2.869		45105	50815
2.918		3357	2452
2.947		1515	1205
3.024	TCX	836954	598359
3.178		5821	7302
3.228		14868	14457
3.286		42813	30838
3,331		1723	1438
3.361		2379	1469
3.381		8148	5442
3.467		1095	617
3,504		112381	70855
3.522		37826	19824
3.559		10226	9025
3.593		3432	2085
3.623		113798	82710
3.663		3318	2834
3.7		1507	818
3.735		28890	28700
3.808		238616	348593
3.846		128275	106196
3.909		142029	115007
3.95		20728	13617
3.976		239640	178461
4.004		152247	129831
4.027		55490	31944
4.106		264938	201129
4,131		87222	56718
4,131	•	101755	75529
4.199		224345	221733
4.241		81710 10189	67617 7734
4,288			
4.325		77527	79475
4.363		202743	143480
4.384		237113	163325
4.408		266233	200610
4.435		7269	4621
4.477		27558	26189
4.519		255109	212436
4.542		88067	102614
4.598		3855	2695
4.624		16267	14368
4.667	•	74361	66828
4.72		110584	97680

RT A	Compound A	Height A	Area A
4.753		66644	50246
4.784		178539	159539
4.831		4265	3843
4.872		71124	64987
4.909		16612	19953
4.961		18078	16369
5.003		118971	117436
5.088		9404	10727
5.113		12794	9010
5.133		9456	6523
5.164		2032	1714
5.207		118112	119079
5.251		3580	2459
5.278		4240	5216
5.322		31387	27284
5.382		4902	4016
5.429		3139	3660
5.532		7846	5859
5.61	•	3526	4911
5.667		3862	8658
5.731		6770	6310
5.761		1427	866
5.786		10614	9616
5.99		8588	13857
6.044		3309	6227
6.178		5951	5480
6.245		6705	10105
6.423		3803	5242
6.483		9538	10259
6.523		1743	1986
6.624		6015	7824
6.694		1164	267
6.771	DCB	454362	481776
6.9		2579	7497

Sample Number: AR4811624A

AAAR481AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 6:41:34 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

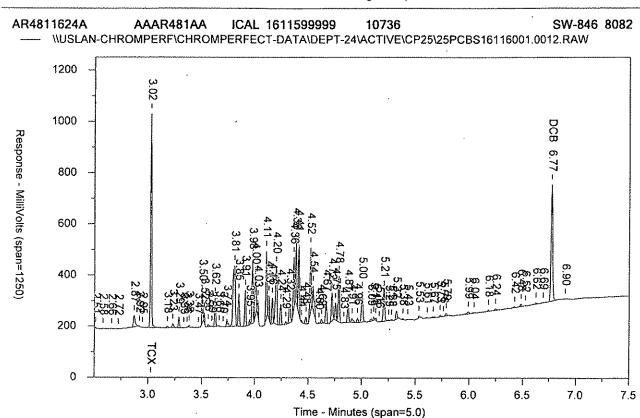
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um

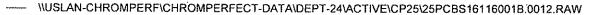
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um Data File: 25PCBS16116001B.0012.RAW

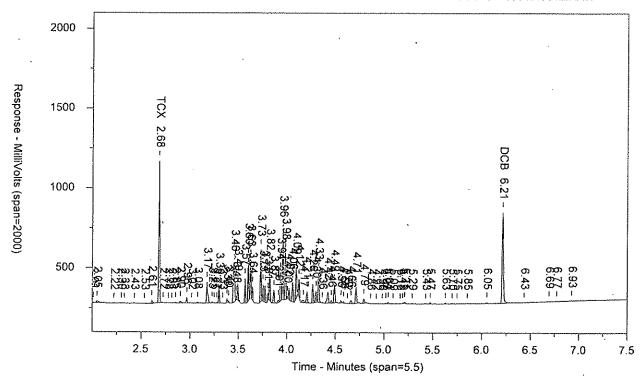
Method File: 25PCBSB.MET

RT B	Compound B	Height B	Area B
2.011	Composita B	1640	977
2.049		10241	18779
2.221		1356	1874
		2735	3423
2.296		1439	
2.326			1638
2.429		2292	3070
2.534		1481	4067
2.607		21264	21230
2.68	TCX	890387	513258
2.722		2625	1697
2.777		1306	1118
2.812		1287	786
2.851		5242	3084
2.899		12441	11218
2.965		36081	22907
3.016		2442	1813
3.077		7681	5061
3.173		131785	112775
3.225		7946	4158
3.248		3478	2044
3.272		3848	2196
3.297		98761	64631
3,334		2785	2031
3.38	•	23882	12283
3.396		12771	6138
3.457		235747	268053
3.477		24390	10194
3,492		100971	59257
3.567		154524	93762
3.601		269996	159936
3.625		243941	136353
3.644		83003	42011
3.731		328746	206376
3.755		102414	56420
3.775		104366	61874
3,806		46624	23447
3.823		229915	132666
3.866		80621	56369
3.914		15980	13315
3.936		177280	107629
. 3.958		434454	271127
3.984		294584	182160
4.004		17741	8161
4.021		70834	44541
4.058		120640	83335
4.095		193451	157573
4.125		108019	60323
4.17		16230	19674,
4.206	_	71638	52532
4.265	•	117218	88019
4.298		71500	48041
4.326	•	185412	134193
4.364		3757	3349
4.422		67902	68175
1. T&&		0.002	00110

RTB	Campaigned D	Malaht D	Area B
4,457	Compound B	Height B 17477	12644
4.489		114907	83601
4.557		15344	9816
4.584		9412	6867
4.624		1546	1435
4.66		19146	18242
4.712		104115	83800
4.792		29513	24960
4.862		2380	1838
4.921		1413	1846
4.981		1644	2440
5.018		4704	3564
5.042		9239	7282
5.091		2447	2605
5,164		1792	1598
5.188		3253	1928
5.21		8555	8230
5.287		3658	6340
5,425	•	- 3994	3358
5.471		7395	7696
5.629		5704	5931
5.697		4657	4818
5.747		3001	3128
5.851		3669	3315
6.051		6602	5689
6.212	DCB	567324	517209
6.434		1082	901
6.694		2350	5498
6.772		872	910
6.927		1568	10031







Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR4811624A

AAAR481AA ICAL 1611599999 10736

SW-846 8082

Injected On: 4/25/2016 6:41:34 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	Compound B
3.024	836954	4.63	TCX	2.68	890387	4.043	TCX
6.771	454362	5.081	DCB	6.212	567324	4.341	DCB

Files:

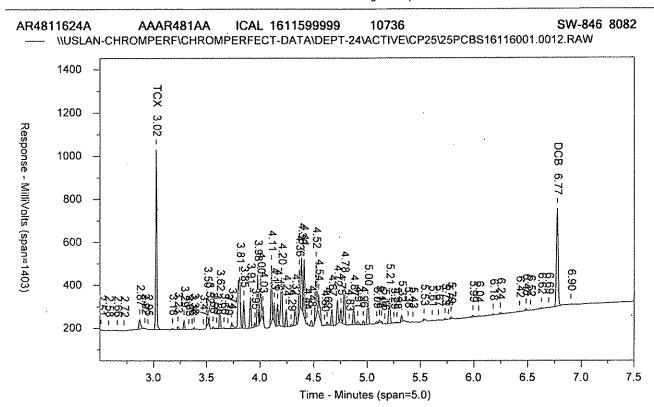
Area File: 25PCBS16116001.0012.RAW Area File: 25PCBS16116001B,0012.RAW

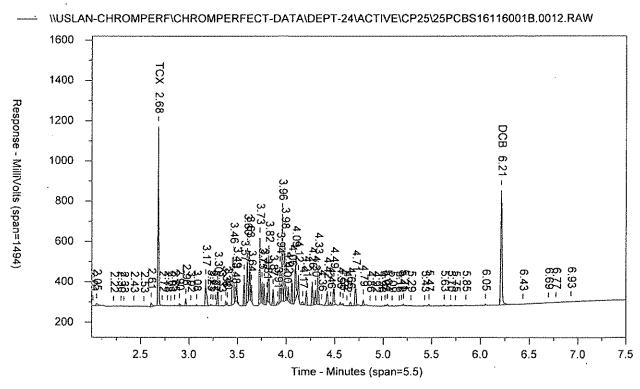
Method A: 25PCBS,MET Method B: 25PCBSB.MET.

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS16116018.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 6:50:07 PM File Reported On: 4/25/2016 at 6:50:13 PM





Sample Number: AR4821624A

AAAR482AA ICAL

ICAL 1611599999 10

10736

SW-846 8082 Injection Volume: 1 ul

Injected On: 4/25/2016 6:53:21 PM

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID; ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID; ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0013.RAW

Method File: 25PCBS.MET

OBIDIATION FIRE, 201 CDG FOT FOUT.CAL				
RTA	Compound A	Height A	Area A	
2.049		12181	15211	
2.122		1040	1319	
2.178		10750	21335	
2.234	•	1907	2373	
2.275		1490	1612	
2.309		22274	16955	
2.398		34998	22318	
2.421		7625	4596	
2.465		2590	2355	
2.51	•	6696	4876	
2.579		1683	1708	
2.66		3247	3715	
2.789		996	2299	
2.868		25918	31689	
2,918		5812	4757	
2.942		1577	2121	
3.024	TCX	3764771	2579523	
3.177		10887	10950	
3.228		68278	53339	
3.285		80481	55428	
3.333		1750	1120	
3.361		11699	6854	
3.381		15122	9238	
3.463		1178	1687	
3.504		200831	128019	
3.521		66933	36219	
3.559		20173	15879	
3.591		5755	3596	
3.623		202209	151520	
3.661		3311	2624	
3.698		3420	2365	
3.735		55046	55136	
3.807		439412	636128	
3.846		230042	193849	
3.908		255489	213978	
3.95		41961	28731	
3.976		439745	326615	
4.004		294695	242276	
4.027 4.106		99690	57864	
		470671	367436	
4.131		157079	103236	
4.163		182390	140405	
4.199 4.241	,	414770	407302	
4.241		151801	125682	
4.326		21620	17337 97299	
4.363	•	95407		
4.384		381225	264224	
4.409		449913	303067 362151	
4.409		469984 53948	362151 50685	
4.476		444389		
4.519		444389 172966	394657 192230	
4.599		8434		
4.624		30476	5737 25785	
7.067		30470	20100	

RTA	Compound A	Height A	Area A
4.667		134494	123342
4.721		199546	179883
4.754		119936	91254
4.784		332982	292086
4.83		8346	8421
4.872		133761	120777
4.91		32265	39455
4.962		34984	31789
5.004		216798	213256
5.034		5597	3966
5.061		3565	2316
5.087		18033	16401
5.113		22025	15470
5.132		17068	11648
5.164		3317	2412
5.207		226192	218581
5.25		6630	4882
5.278		11959	13501
5.322		65547	81730
5.383		8067	6780
5.427		5471	4896
5.533		25745	51214
5.608		5597	6192
5.686		9635	14705
5.73		12581	14998
5.786		18562	14727
5.809		9302	6220
5.904		1722	1791
5.991		13685	19925
6.047		5748	9667
6.178		24187	24226
6.244		17807.	15036
6.422		7171	12267
6.544		1012	4675
6.592		1263	1576
6.624		23278	23478
6.771	DCB	1858426	1934250
6.862		1190	1060

Sample Number: AR4821624A

AAAR482AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 6:53:21 PM Instrument ID: CP25-18274 Injection Volume: 1 ul

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

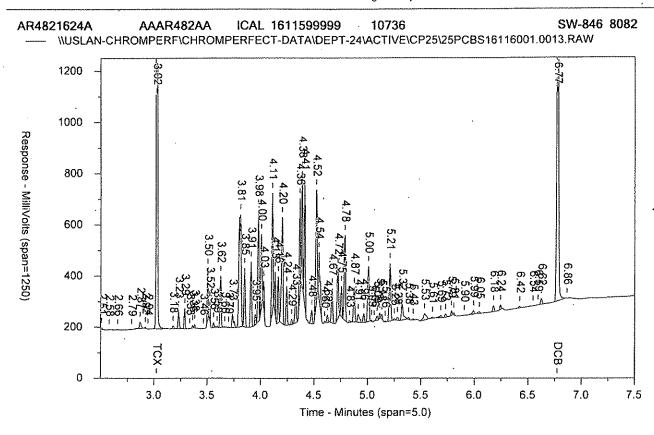
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Data File: 25PCBS16116001B.0013.RAW

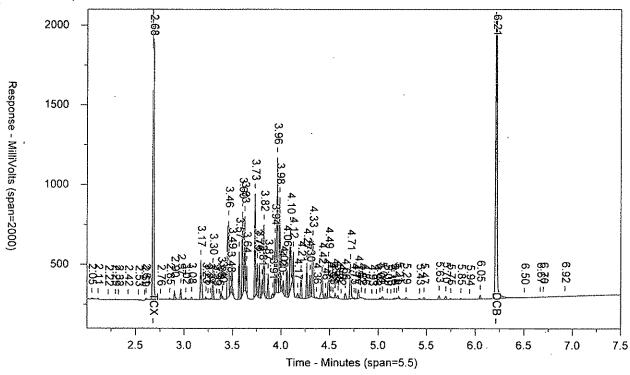
Method File: 25PCBSB.MET

RTB	Compound B	Height B	Area B
2.05		7041	9798
2.113		6791	5108
2.218	,	1806	1273
2.293		2281	2794
2.323		1450	1511
2.422		2239	2317
2.53		3356	12572
2.593		3207	2805
2.608		9840	5691
2.68	TCX	4414819	2582993
2.756		1689	3661
2.851		9189	5744
2.899		56268	40132
2.965		68679	41669
3.017		11306	6595
3.077		15238	9503
3.173		248061	212175
3.226	1	16309	8400
3.247		5284	2746
3.247		7379	4125
3.297		197444	126030
3.335		3792	2681
3.361	•	2765	1227
3.38		47276	24567
3.396		16995	8094
3.457		478283	518265
3.477		46683	19424
3.491		194202	116164
3.567		298793	182963
3.601		523080	309504
3.625		468151	264418
3.644		170850	85057
3.731		646653	399458
3.755		204029	111429
3.775		208410	122725
3.806		87734	44603
3.823		429829	257906
3.866		157460	110401
3.914		32445	27432
3.936		351804	.211234
3,959		848044	531278
3.984		596623	359921
4.004		40309	18337
4.021		82624	50419
4.058		233908	162917
4.095	•	393960	309789
4.125		220201	124623
4,172		31376	29706
4.207		143053	103342
4.265		223480	167170
4.299		140231	94485
4.327		353674	259199
4.364		7306	6485
4.422		136124	132876
7.766		100124	102010

RTB	Compound B	Height B	Area B
4.457		34109	24780
4.49		226819	166589
4.514		7555	3701
4,535		4006	2240
4.557		29900	19621
4.585		18806	14045
4.618		2074	1978
4.66		37976	35898
4.713		218377	169315
4.75		6860	4144
4.769		3280	1629
4,793		54684	47461
4.824		4571	2170
4.863		3967	3092
4.935		2130	3322
4.982		2719	3997
5.017		9515	7093
5.043		18292	14234
5.092		4230	4162
5,129		1836	1387
5.163		7951	6648
5.189		6565	3937
5.21		16583	13610
5.286		12693	13290
5.427		7165	6115
5,472		13454	12807
5.628	•	23232	21514
5.697	•	19669	17333
5.746		6734	5960
5.851		6585	5666
5.943		962	1390
6.051		25855	24560
6.212	DCB	2555015	2321485
6.503		848	693
6.666		2097	1962
6.698		1827	1461
6.922		1286	7576







Sample Number: AR4821624A

AAAR482AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 6:53:21 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID; ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID; ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.024	3764771	20.826	TCX	2.68	4414819	20.048	TCX
6.771	1858426	20,781	DCB	6.212	2555015	19.55	DCB

Files:

Area File: 25PCBS16116001.0013.RAW Area File: 25PCBS16116001B.0013.RAW

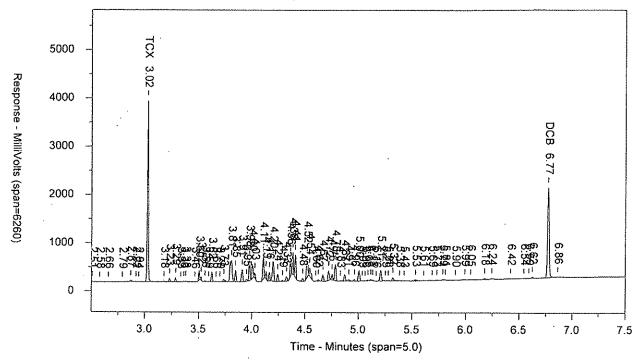
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

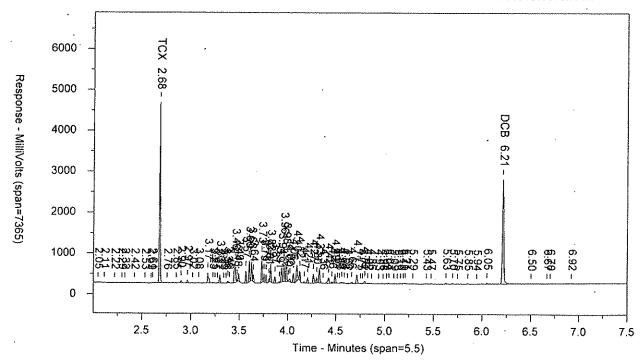
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 7:01:54 PM File Reported On: 4/25/2016 at 7:02:03 PM

AR4821624A AAAR482AA ICAL 1611599999 10736 SW-846 8082 — \(\U\S\AN\-C\HROMPERF\C\HROMPERFECT\-DATA\DEPT\-24\ACTIVE\CP25\25PCBS16116001.0013.RAW\)



- \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0013.RAW



Sample Number: AR4831624A

AAAR483AA ICAL 1611599999 10736

SW-846 8082

Injected On: 4/25/2016 7:05:01 PM

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um

Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0014.RAW

Method File: 25PCBS.MET

RT A	Compound A	Height A	Area A
2.05		5717	8721
2.174		13888	40396
2.285	•	1886	946
2.308		43429	31477
2.397		21715	13815
2.42		15865	10145
2.464		2466	2476
2.51		3640	3087
2.581		2273	1942
2.658		3955	5386
2.788		1109	1696
		1223	2555
2.841			
2.867		34881	37020
2.945	T01/	2196	2579
3.023	TCX	7383708	5004215
3.176		20276	18502
3.227		127383	101596
3.284		137756	96637
3.33		1743	1102
3.36		22823	13404
3.379		29159	17721
3.502		374407	233902
3.52		128474	67851
3.557		37265	29443
3.59		12209	6849
3.621		360434	276405
3.658		2561	1990
3.678		2879	1361
3.696		6661	3670
3.733		102034	103410
3.793		367544	206007
3.805		387579	202291
3.844		423239	354220
3,906~	•	464112	395951
3.948		81966	55497
3.974	-	808345	598835
4.002		550983	440800
4.025		201122	110779
4.104	•	908996	676696
4,129	·	269413	186992
4.161		346631	254399
4.197		762072	750843
4.239		276780	227398
4.285		32963	27335
4.200		127960	127365
4.325 4.361 ~		666288	484455.
4.383		840606	464433. 560706
		923388	695466
4,407			
4.475		99422	93503
4.517		801856	712537
4.54	,	300851	332236
4.597	•	15685	10960
4.622		54800	44096
4.665		244912	227085

RT A	Compound A	Height A	Area A
4.718		363126	328789
4.751		209665	162233
4.782 -	•	584737	529637
4.828		16745	17418
4.87		239271	220351
4.907		57217	72680
4,96		65132	60230
5.003		405511	378817
5.035		13811	9031
5.058		6050	3486
5.086		37004	31243
5,112		39209	28428
5.131		30231	20914
5.162		6976	5740
5.204		401423	401467
5.247		12123	8893
5.275		23944	26515
5.32		118640	142246
5.382		15690	12198
5.424		10195	9257
5.47		3105	2782
5,531		46137	74630
5.606		9539	8845
5.646		3131	2048
5.686		18493	17154
5.728		23545	20312
5.756		2822	1889
5.784		31213	25627
5.806		16582	12678
5.898		1559	1552
5.989		26161	31274
6,044		11504	18515
6.176		49271	47333
6,241		33976	30036
6.265		7474	4821
6.419		12458	13968
6.477		5653	6187
6.526		1068	1852
6.59		1522	1823
6.621		43873	45353
6.769	DCB	3277155	3644027

Sample Number: AR4831624A

AAAR483AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 7:05:01 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min Column A ID: ZB Multiresidue-1 30m x $0.32mm \times 0.5um$

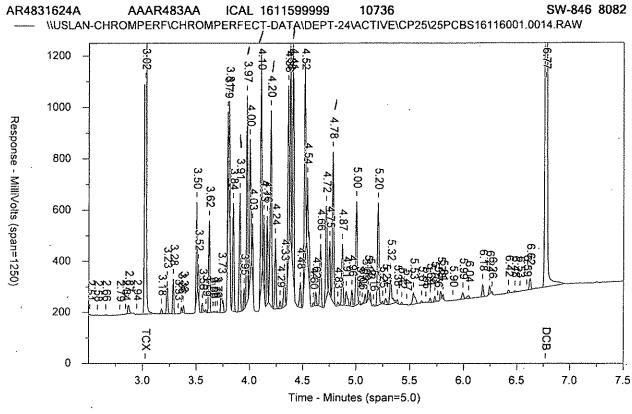
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

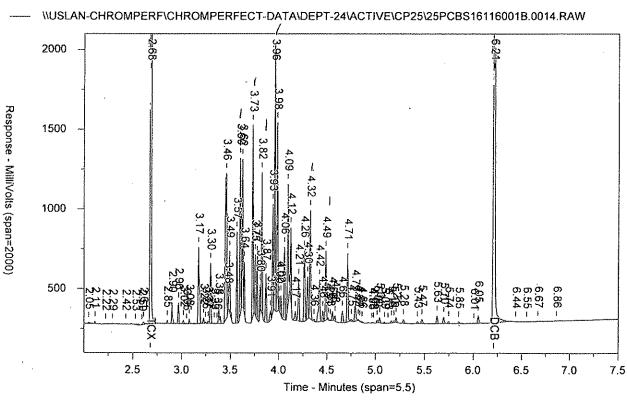
Data File: 25PCBS16116001B.0014.RAW

Method File: 25PCBSB.MET

RTB	Compound B	Height B	Area B
2.049		7448	13623
2.114		14336	9144
2.221		1457	2505
2.291		2148	2550
2.425		1893	1958
2.527		3504	14891
2.592		3447	3397
2.607		16191	18692
2.68	TCX	9390129	5383488
2.85		20072	12513
2.899		114292	79196
2.964		131757	79144
3.016		22240	13007
3.048		806	688
3.076		30954	18254
3.172		478778	403239
3.225		35179	19949
3.247		9627	5166
3.272		13598	7495
3,296		379562	244375
3.334		6888	3836
3,362		4507	2066
3.379		98766	84126
3.456		917496	1017127
3.476		94487	39507
3.49		377218	224109
3.566		573641	354480
3.6		985977	599838
3.624		930638	515369
3.643		319440	166008
3.729-	•	1207920	775176
3.753		378529	211975
3.774		394633	227643
3.804		178338	1 91540
3.822-		875956	508456
3.865		304925	215428
3.913		62392	52529
3.935		683206	406983
3.957-	_	1666900	1043773
3.982		1182310	714496
4.002		92706	44140
4.02		121287	71092
4.056		455226	312070
4.093		763357	604564
4.124		445845	246168
4.17		58265	47612
4.205		263961	197344
4.263		443938	333094
4.297		266322	182022
4.324-	v	680501	495416
4.363		13450	12823
4.363		264810	257876
4.455		66652	47482
4.487 -	_	434170	318588
4,407		70711U	2:0000

RTB	Compound B	Height B	Area B
4.512		12738	6893
4.532		9387	5372
4.556		54983	36012
4.583		34328	26709
4.659		74620	67903
4,712		431536	329084
4.751		14723	15350
4.791		106709	89626
4.823		9012	4293
4.839		7168	3881
4.862		7916	5505
4.964		1876	1239
4.979		3507	2540
5.016		18130	12734
5.041		35609	26818
5.091		8662	8280
5.127		3410	2345
5.162		15468	12617
5.187		12535	8077
5.209		31978	26463
5.285		25601	24345
5.425		14208	11775
5.471		26794	27212
5.627		49677	41742
5.695		40911	35516
5.745		14872	13051
5.849		12426	13186
6.006		1686	1848
6.05		48820	40102
6.211	DCB	4955398	4476534
6.437		1578	1269
6.55		1042	1086
6,668		3024	3119
6.863		738	2675





Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR4831624A

AAAR483AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 7:05:01 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

E min

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 $30m \times 0.32mm \times 0.5um$ Column B ID: ZB Multiresidue-2 $30m \times 0.32mm \times 0.25um$

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	Compound B
3.023	7383708	40.845	ŢCX	2.68	9390129	42.642	
6.769	3277155	36.645	DCB	6.211	4955398	37.917	DCB

Files:

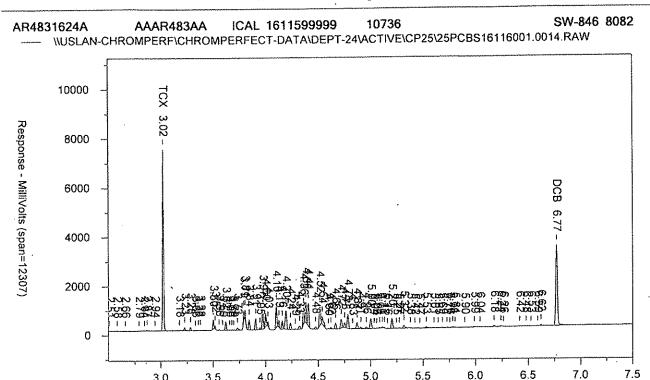
Area File: 25PCBS16116001.0014.RAW Area File: 25PCBS16116001B.0014.RAW

Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 7:13:32 PM File Reported On: 4/25/2016 at 7:13:43 PM





4.5

5.0

Time - Minutes (span=5.0)

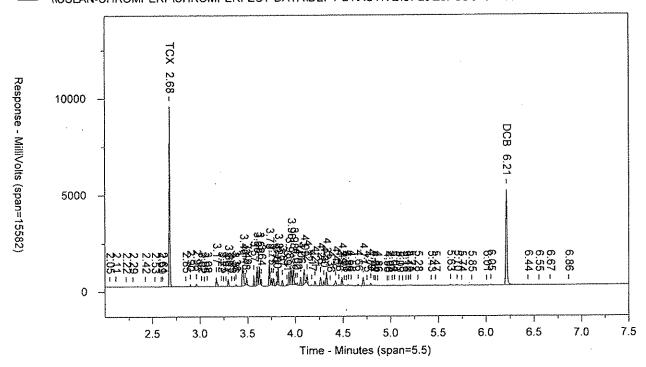
5.5

6.0

3.5

3.0

4.0



Sample Number: AR4841624A

AAAR484AA

ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 7:16:43 PM

Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0015.RAW

Method File: 25PCBS.MET

RTA	Compound A	Height A	Area A
2.049		8560	10804
2.175		13508	40895
2.285		1956	1070
2.308		63072	44854
2.397		18801	12057
2.42		24626	15851
2.464		2605	2660
2.509		5415	4313
2.581		1992	2087
2.658		6285	5082
2,792		987	2224
2.818		1773	1321
2.867		40579	44349
2.917		3603	2783
2.944		2031	1737
3.023	TCX	10493250	7267193
3.176		47185	41413
3.226		185417	158874
3.284		298939	211348
3.332		1037	739
3.359		32640	18633
3.378		68150	42981
3.463		118 6	643
3,502		818115	519249
3.519		293666	150462
3.557		85896	65535
3.59		29339	16467
3.621		801060	615960
3.656		4588	2886
3.677		5515	2822
3.695		16882	10741
3.732		181883	109414
3.748		59210	28345
3.793		836599	435544
3.806		920721	477337
3.844		968685	787222
3.906		1051655	898455
3.948	•	173138	118549
3.974		1871952	1346994
4.002		1223986	992537
4.002		418377	242798
4.104		2063308	1552921
4.129		645120	424568
4.16		750955	565779
4,197		1728270	1708349
4.239		614214	501025
4.285		77801	63668
4.326		223088	218171
4.361		1602732	1130770
4,382		1899265	1287569
4.407		2163608	1605307
4.475		219172	205978
4.517		1917482	1647190
4.54		751612	792080

RTA	Compound A	Height A	Area A
4,597		38867	26373
4.622		119329	95707
4.665		552294	497422
4.719		815558	739307
4.751		464735	360572
4.782		1307960	1183988
4.828		37739	38545
4.87		529503	484093
4.907		125359	159299
4.96		144713	133567
5.002		893129	846166
5.034		20695	13032
5.057		12602	7617
5.085		76246	68233
5.111	•	86782	62785
5.13		67061	46401
5.162		14421	12161
5.205		935422	912713
5.247		26584	20264
5.275		42379	50070
5.32		236145	215881
5.343		15534	7378
5.361		11873	5978
5.382		35925	27497
5.425		21377	18929
5.467		4463	3557
5.531		102843	165850
5.605		21931	20690
5.647		7373	5787
5,685		28482	26907
5.729		53200	47008
5.755		7286	4462
5.785		77800	65274
5.806		26732	17104
5.989		60638	68638
6.045		26190	44147
6.092		1764	1953
6.175	•	69656	68942
6.241		51128	43685
6.263		17005	10162
6.419		30209	33179
6.48		6130	7733
6.549		2177	2095
6.594		1304	1681
6.621		67131	71467
6.769	DCB	4710269	5130497

Printed on 4/25/2016 7:25:21 PM

Sample Number: AR4841624A

AAAR484AA

ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 7:16:43 PM

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274 Analys
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

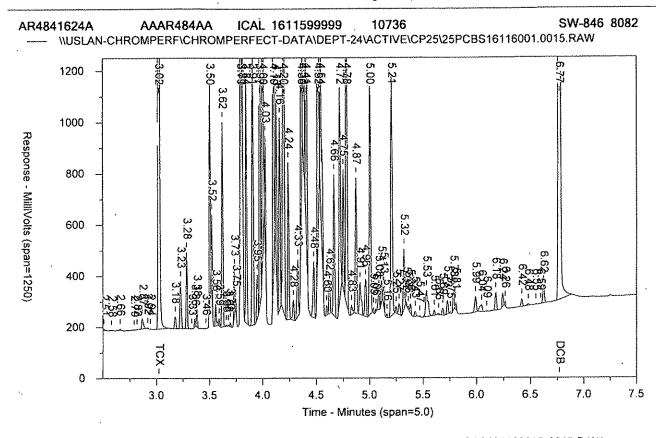
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Data File: 25PCBS161160018.0015.RAW

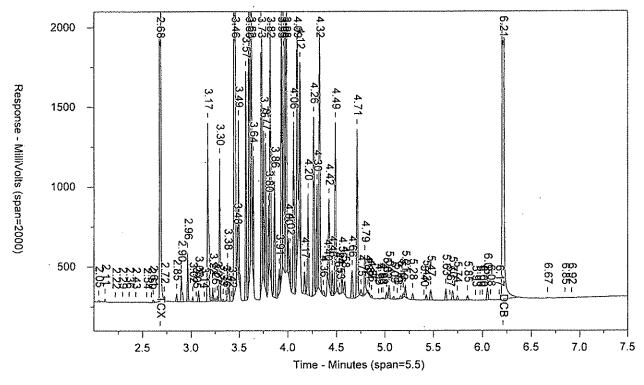
Method File: 25PCBSB.MET

RT B	Compound B	Height B	Area B
2.049		8207	14844
2,113		20426	13370
2.218		1345	1689
2.291		2316	2592
2.36		4093	2664
2.427		2287	2263
2.542			5285
		2085	1942
2.589		2999	
2.607	TOV	17646	19699
2.679	TCX	13962980	8087038
2.722		14474	6857
2.85		49478	31693
2.899		167542	130251
2.964		. 305368	182126
3.016		32869	18907
3.051		1532	942
3.076		69644	43078
3.136		1228	547
3.172		1122110	938105
3.225		84108	49551
3.246		21863	11661
3.272		33098	17653
3.296		892782	579944
3.333		15149	8594
3.361		6630	3072
3,379		238846	200220
3.422		1452	741
3.456		2270097	2510558
3.476		218895	92093
3.49		944880	539245
3.566		1435154	863526
3.6		2486001	1443345
3.624		2280401	1242643
3,642		741560	386334
3.729		3056900	1900774
3.753		926457	507490
3,773		917366	538960
3.804		430481	216948
3.821	•	2142984	1250859
3.864		728508	515946
3.912		153604	126768
3.934		1688448	1015226
3.957		4350232	2620468
3.982		2996868	1796585
4.002		222539	108824
4.02		224026	126205
4.057		1073513	752485
4.094		1903408	1476969
4.123		1112142	625016
4.123		139213	103409
		637291	471308
4.205			
4.263		1120916	827772
4.297		661958	443083 1202242
4.324		1616886	1202242

4.363 31394 29596 4.404 31503 20657 4.42 533740 408129 4.455 158517 115159 4.488 1071370 779120 4.512 33426 18158 4.532 11250 5597 4.555 134827 86368 4.582 84731 64381 4.659 175807 161815 4.711 1050370 816991 4.751 37943 37557 4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.8662 18552 13278 4.935 4254 4886 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.162 22969 19633 5.188 29544 19391 5.285 41836	RT B	Compound B	Height B	Area B
4.42 533740 408129 4.455 158517 115159 4.488 1071370 779120 4.512 33426 18158 4.532 11250 5597 4.555 134827 86368 4.582 84731 64381 4.659 175807 161815 4.711 1050370 816991 4.751 37943 37557 4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.668 1049 546<	4.363		31394	29596
4.455 158517 115159 4.488 1071370 779120 4.512 33426 18158 4.532 11250 5597 4.555 134827 86368 4.582 84731 64381 4.659 175807 161815 4.711 1050370 816991 4.751 37943 37557 4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.935 4254 486 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.47 6527 71976 60131 5.668 1049<	4.404		31503	20657
4.488 1071370 779120 4.512 33426 18158 4.532 11250 5597 4.555 134827 86368 4.582 84731 64381 4.659 175807 161815 4.711 1050370 816991 4.751 37943 37557 4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.935 4254 486 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.162 22969 19633 5.188 29544 19391 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.668 1049 546	4.42		533740	408129
4.512 33426 18158 4.532 11250 5597 4.555 134827 86368 4.582 84731 64381 4.659 175807 161815 4.711 1050370 816991 4.751 37943 37557 4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.935 4254 4886 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.668 1049 546	4.455		158517	115159
4.532 11250 5597 4.555 134827 86368 4.582 84731 64381 4.659 175807 161815 4.711 1050370 816991 4.751 37943 37557 4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.935 4254 4886 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.695 57915 50861	4,488		1071370	779120
4.555 134827 86368 4.582 84731 64381 4.659 175807 161815 4.711 1050370 816991 4.751 37943 37557 4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.935 4254 4886 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.685 57915 50861 5.745 27339 23837 5.849 29819 24909	4.512		33426	18158
4.582 84731 64381 4.659 175807 161815 4.711 1050370 816991 4.751 37943 37557 4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.935 4254 4886 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.685 57915 50861 5.745 27339 23837 5.849 29819 24909	4.532		11250	5597
4.659 175807 161815 4.711 1050370 816991 4.751 37943 37557 4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.935 4254 486 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 </td <td>4.555</td> <td></td> <td>134827</td> <td>86368</td>	4.555		134827	86368
4.711 1050370 816991 4.751 37943 37557 4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.935 4254 486 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 <td>4.582</td> <td></td> <td>84731</td> <td>64381</td>	4.582		84731	64381
4.751 37943 37557 4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.935 4254 4886 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300	4.659	,	175807	161815
4.791 247374 214792 4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.935 4254 4886 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 <tr< td=""><td>4.711</td><td></td><td>1050370</td><td>816991</td></tr<>	4.711		1050370	816991
4.822 20639 9577 4.838 18157 9280 4.862 18552 13278 4.935 4254 4866 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.05 76265 62828 6.082 2112 2351 6.172 1091 782	4.751		37943	37557
4.838 18157 9280 4.862 18552 13278 4.935 4254 4866 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.05 76265 62828 6.082 2112 2351 6.172 1091 782	4.791		247374	214792
4.862 18552 13278 4.935 4254 4886 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.05 76265 62828 6.082 2112 2351 6.172 1091 782	4.822		20639	9577
4.935 4254 4886 4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918	4.838		18157	9280
4.963 5546 3410 4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.051 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768	4.862		18552	13278
4.98 8379 5486 5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.051 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	4.935		4254	4886
5.016 40775 29801 5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.051 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	4.963		5546	3410
5.041 81617 64301 5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	4.98		8379	5486
5.091 20950 18872 5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.016		40775	29801
5.127 8163 6265 5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 6282 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.041		81617	64301
5.162 22969 19633 5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.091		20950	18872
5.188 29544 19391 5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.127		8163	6265
5.209 77966 61514 5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.162		22969	19633
5.285 41836 37583 5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.188		29544	19391
5.4 1896 1179 5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.209		77966	61514
5.425 34426 28239 5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.285		41836	37583
5.471 65275 68096 5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.4		1896	1179
5.627 71976 60131 5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 6282 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.425		34426	28239
5.668 1049 546 5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 6282 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.471		65275	68096
5.695 57915 50861 5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.627		71976	60131
5.745 27339 23837 5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5,668		1049	546
5.849 29819 24909 5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.695		57915	50861
5.93 1448 1300 5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.745		27339	23837
5.976 856 671 6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.849		29819	24909
6.001 1754 1850 6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.93		1448	1300
6.05 76265 62828 6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	5.976		856	671
6.082 2112 2351 6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	6.001		1754	1850
6.172 1091 782 6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	6.05		76265	62828
6.21 DCB 7463175 6656918 6.666 5096 4768 6.847 1120 2208	6.082		2112	2351
6.666 5096 4768 6.847 1120 2208	6.172		1091	782
6.847 1120 2208	6.21	DCB	7463175	6656918
	6.666		5096	4768
6.916 1034 1105	6.847		1120	2208
	6.916		1034	1105







Sample Number: AR4841624A

ÁAAR484AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 7:16:43 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	Compound B
3.023	10493250	58.046	TCX	2.679 ·	13962980	63,408	TCX
6.769	4710269	52.67	DCB	6.21	7463175	57.105	DCB

Files:

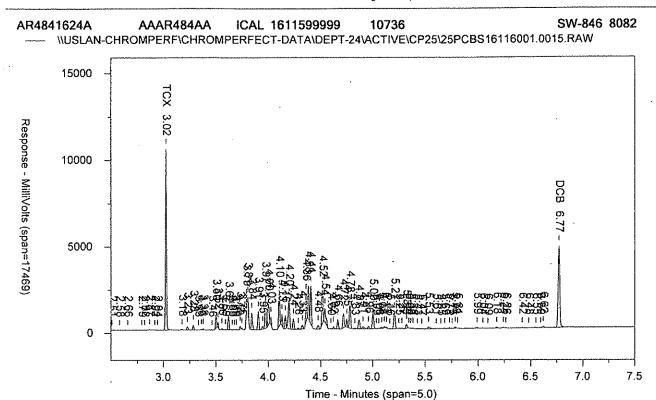
Area File: 25PCBS16116001.0015.RAW Area File: 25PCBS16116001B.0015.RAW

Method A: 25PCBS.MET Method B: 25PCBSB.MET

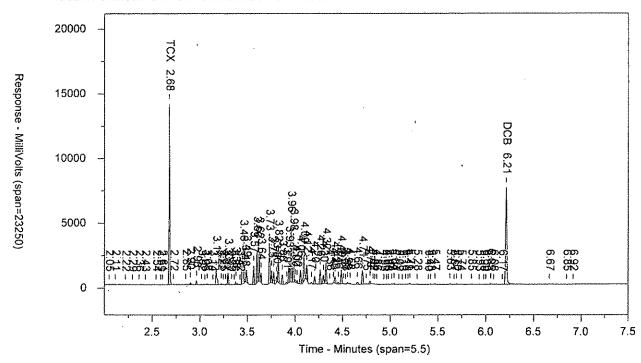
Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 7:25:14 PM File Reported On: 4/25/2016 at 7:25:21 PM







Sample Number: AR4851624A

AAAR485AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 7:28:26 PM Instrument ID: CP25-18274

Injection Volume: 1 ul

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID; ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0016.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

RT A	Compound A	Height A	Area A
2.049		10487	13486
2.125		1555	2576
2,175		11162	21331
2.231		2766	5273
2.308		80096	58238
2.397		25049	16153
2.42		31098	20138
2.462		2621	3377
2.51		6879	6315
2.58		2400	4014
2.659		12324	11292
2.789		1031	2093
2.82		1124	760
2.84		1170	632
2.867		30600	32802
2.918		4984	3738
3.023	TCX	13627200	9429239
3.023	101	86373	77222
		248835	226130
3.227			377195
3.284		544275	
3.329		1603	1216
3.36		41050	23445
3.379		124359	81163
3.418		2111	1782
3.502		1497521	947142
3.52		528698	275480
3.557		153479	116996
3.591		52977	30153
3.621		1518558	1115672
3.657		8065	4961
3.678		6890	3414
3.696		33456	21009
3.733		328874	197248
3,748		97889	46811
3.793		1646706	858770
3.806	,	1748734	929311
3.844		1737711	1447398
3.907		1986223	1653410
3.948		308767	215765
3,975		3468085	2487478
4.002		2281115	1855129
4.026		761125	417860
4.105		3776767	2862337
4.13		1133191	755458
4.161		1353465	1037507
4.198		3267453	3163325
4.239		1096172	908842
4.286		131646	112614
4.327		369122	352886
4.362		3084742	2128252
4.383		3633956	2427472
4.407		3947025	3032676
4.475		386807	366466
4.517		3668362	3073565
7.017		J00000Z	2012000

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RT A	Compound A	Height A	Area A
4.54	······································	1329856	1471480
4.598		65889	45377
4.622		216172	168122
4.665	•	970826	904798
4.719		1482496	1357547
4.752		887445	668757
4.783		2481435	2202838
4.829		64517	69258
4.87		985405	877363
4.908		231072	283248
4,96		271148	241935
5.003		1629484	1552746
5.034		26169	16538
5.06		21707	14814
5.086		135442	119637
5.112		152658	110130
5.131		123652	83282
5.162		25915	21413
5.205		1784796	1691734
5.247		50735	37500
5.274		66257	81407
5.32		462694	478856
5.361		23131	11652
5.382		63290	47382
5.426		39947	36695
5.467		9157	8397
5,531	•	181321	309689
5.605		38205	35243
5.644		14340	11398
5.685		37213	33550
5.729		100579	87604
5.754		13741	9068
5.784		148412	124986
5.806		29053	18091
5,892		893	1243
5.989		104267	123398
6.044		50501	81448
6.176		92661	89958
6.241		67272	54357
6.263		23088	16054
6.419		55413	56227
6.478		4695	7510
6.513		1797	1693
6.548	•	2393	2141
6.588		2162	1868
6.621	DCB.	97921	99145
6.768	DCB	6174063	6803677

Sample Number: AR4851624A Injected On: 4/25/2016 7:28:26 PM AAAR485AA

ICAL 1611599999

10736

SW-846 8082

Injection Volume: 1 ul

Analyst: 2855

Instrument ID: CP25-18274 Analys
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

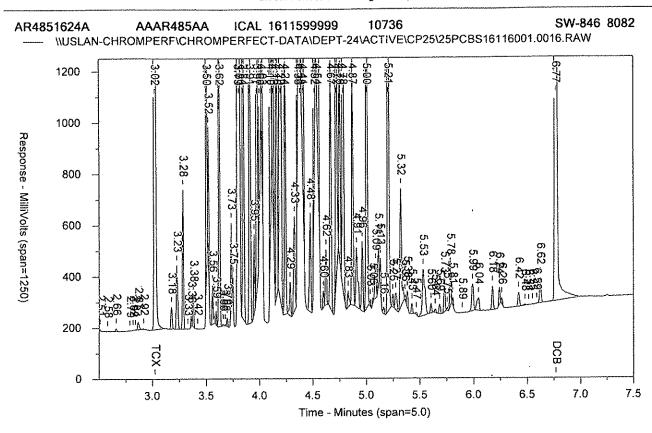
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

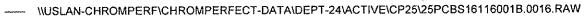
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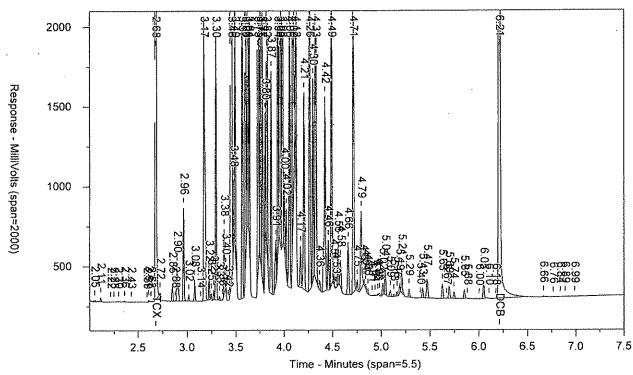
Method File: 25PCBSB.MET

~~ ~	6 JB	a Laborator D	A D
RTB	Compound B	Height B	Area B
2.051		7304	13085
2.113		27083	17886
2.216		1517	1823
2.248		1369	922
2.296		2551	3070
2.361		7758	4657
2.429		2183	2889
2.59		1986	891
2.607		11074	6767
2.631		1654	1268
2.68	TCX	18979350	10811360
2.722		32839	17795
2.85		92428	59560
2.879		1769	875
2.899		223586	188370
2.964		583905	342695
3.016		42784	25519
3.076		133431	80023
3.137		1365	833
3.172		2096442	1765316
3.224		159771	90944
3,246		40947	22188
3.272		61411	32736
3,296		1657542	1103963
3,333		28501	16972
3.361		8010	3512
3.38		399417	215487
3,395		155143	70628
3.422		2588	1491
3.457		4534748	4954874
3.477		400963	166097
3.491		1787723	1042208
3.566		2797011	1678787
3.6	:	4728830	2807464
3.625		4567589	2445566
3.643		1450151	764993
3.73		6032981	3697500
3.753		1876491	986305
3.774		1726861	1029292
3.805		842592	413719
3.822		4270444	2472122
3.866		1393504	991500
3.913		278234	237643
3.935		3536894	2027386
3.958		8522697	5174365
3,956	•	6010101	3591390
		425752	205131
4,003			
4.021		393783	220660 1456633
4.058		2077313	
4.094		3788658	2928482
4.123		2296917	1276904
4.171		259948	188724
4.206		1232464	904938
4.264		2219184	1625577

RT 8	Compound B	Height B	Area B
4.297		1265645	869741
4.325		3266801	2335239
4.364		60825	56053
4,421	•	1220323	1189928
4.456		313884	223307
4.489		2192394	1537244
4.513		63125	34936
4.533	•	8761	4103
4.556		246786	165591
4.583		173823	130064
4.659		330313	306528
4.712		2135326	1648747
4.751		69729	58390
4.792		488521	420470
4.824		38969	18421
4.84		32572	17622
4.863		33636	23292
4.907		1794	1057
4.937		6986	8088
4.965		8513	5075
4.98		15666	9731
5.016		76908	56671
5.042		159707	124746
5.091		40010	36542
5,128		15571	11843
5.161		31253	26757
5.188		62263	40416
5.209		152619	119237
5.285		54134	47898
5.402		2872	1686
5.425		63078	53275
5.471		119987	129206
5.627		92060	78433
5.671		1333	864
5,695		77141	65829
5.744		42252	36187
5.849		55966	46146 .
5.88		2505	1668
6.002		2096	2178
6.05		102428	89083
6.105		2059	1498
6.176		1259	1215
6.211	DCB	9917465	8978551
6.664		6602	5811
6.765		857	983
6,838		1022	1581
6.889		1549	2447
6.986		1163	1214







10736

LANCASTER LABORATORIES

Sample Number: AR4851624A

AAAR485AA ICAL 1611599999

SW-846 8082

Injected On: 4/25/2016 7:28:26 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 $30m \times 0.32mm \times 0.5um$ Column B ID: ZB Multiresidue-2 $30m \times 0.32mm \times 0.25um$

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.023	13627200	75.383	TCX	2.68	18979350	86.189	TCX
6.768	6174063	69.039	DCB	6.211	9917465	75.884	DCB

Files

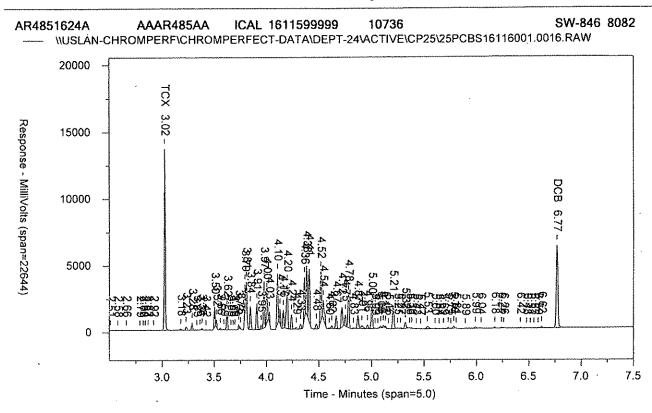
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Method A: 25PCBS.MET Method B: 25PCBSB.MET

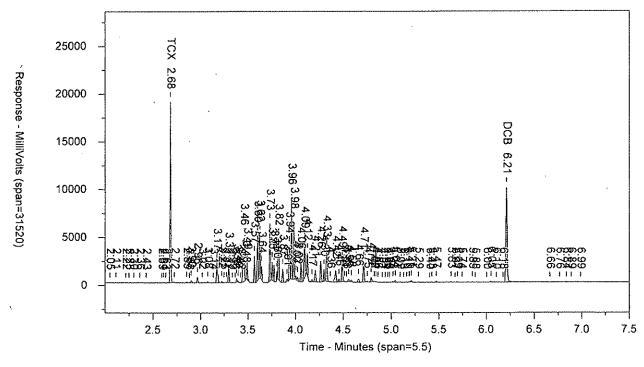
Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 7:36:56 PM File Reported On: 4/25/2016 at 7:37:01 PM







Sample Number: AR5411624A

AAAR541AA

ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 7:40:05 PM Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min Column A ID: ZB Multiresidue-1 $30m \times 0.32mm \times 0.5um$

Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0017.RAW

Method File: 25PCBS.MET

Canproti	on the 25 CD	51011001.0	// \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
RTA	Compound A	Height A	Area A
2.048		10721	13431
2.129		1289	2139
2.175		13385	22613
2.228		2796	6282
2.287		2034	2158
2,308		4665	5155
2.397		19614	12866
2.421		1451	1237
2.462		2784	3471
2,509		6630	5621
2.581		2538	2886
2.629		737	431
2.725		1293	1471
2.79		1105	2750
2.821		1645	1284
2.867		41435	45118
2.918		5056	3847
3.023	TCX	864673	605235
3.167	, 4, ,	2827	4698
3.226		14646	9352
3.284		9728	7838
3.33		2658	2350
3.359		2814	1819
3.386		1279	1027
3.41		1784	1577
3.503		9390	11851
3.563		2701	3304
3.595		2693	1614
3.624		7698	8580
3.662		3341	2695
3.711		1682	1100
3.733		2089	1057
3,776	•	4394	2688
3,773			3164
		6314	
3.805		5029	4243
3.845		9567	9884
3.908		6996 197699	5634 155090
3,974			43306
4.001 4.025		60589 6209	3256
		126719	100888
4.104			
4.13 4.161		9260 12185	5838 9202
			9202 47482
4.198		56430	
4.239		12206	10423 2464
4.291 4.322		3300 71234	
			68387
4.362	•	283563	214286
4.383		125148	79966
4.408		97647	72705
4.432		8356	6051
4.475		93215	78670
4.519		408950	423649
4.555		163220	133608

RTA	Compound A	Height A	Area A
4.598		6630	4435
4.621		33154	28569
4.665		147507	137158
4.719		275610	260317
4.751		74213	51754
4.782		522709	467512
4.828		28714	20726
4.844		13349	7413
4.869		84968	72049
4.907		174857	184143
4.959		40324	35290
5.002		356573	357849
5.031		7148	4084
5.058		42343	34556
5.085		8463	4929
5.111		153349	114691
5.13		84991	56604
5.162		5025	3530
5.204		290711	292647
5.247		38421	30334
5.274		37333	52203
5.32		403580	496827
5.381		10093	6170
5.425		16646	20836
5.53		137435	186545
5.604		17486	16102
5.645		14210	14895
15.728		85306	74507
5.754		12198	7649
5.784		60663	59189
5.992		51021	51479
6.024		8082	9305
6.176		5820	5779
6.24	•	9167	14290
6.418		3153	4734
6.479		2769	3585
6.515		3173	4045
6.621		4470	5026
6.661		985	493
6.767	DCB	421047	463471
6.875		1926	4077
6.973		1082	769

Sample Number: AR5411624A

AAAR541AA ICAL 1611599999 10736

SW-846 8082

Injected On: 4/25/2016 7:40:05 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um

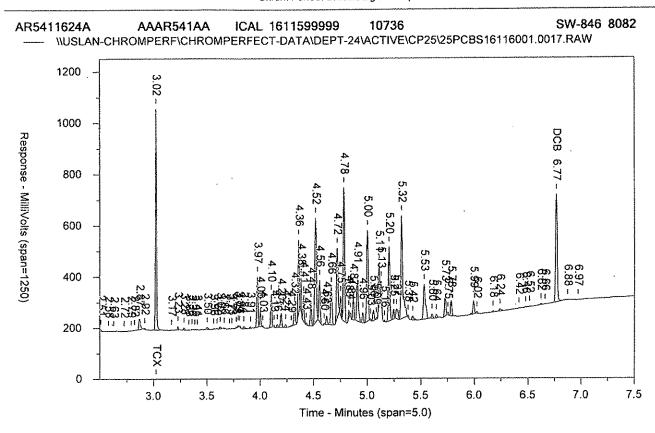
Column 8 ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Data File: 25PCBS16116001B.0017.RAW

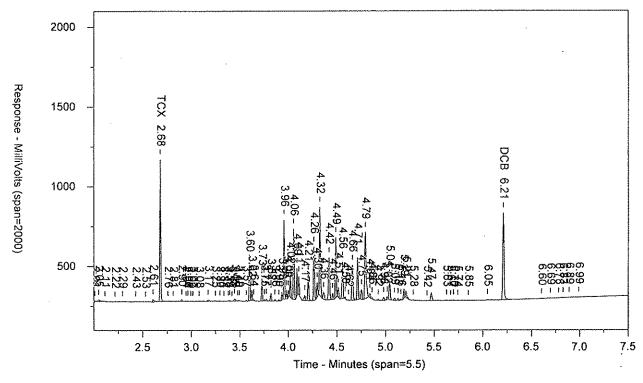
Method File: 25PCBSB.MET

RT B	Compound B	Height B	Area B
2.01	***************************************	1640	865
2.048		9260	15821
2.114		2139	2031
2,215		1722	1402
2.291		2358	3099
2,427		2417	3065
2.528		1528	3745
2.607		17516	20689
2.679	TCX	893300	531640
2,757	101	1799	3635
2.812		1165	768
2.899		12762	8389
2.944		1555	1018
2.964		3098	1781
2.994		1391	843
3.016		2536	1550
3.079		1656	2061
3,173		8515	11080
3.248		3680	4440
3.296		4484	3099
3.336		2344	1986
3.38		1984	1121
3.394		5237	2746
3.418		1228	848
3.446		14617	14546
3.477		3698	1701
3.492		4624	4586
3.566		7150	5700
3.6		225793	136497
3.624		64228	36292
3.643		7348	4053
3.73		141181	85603
3.754		9855	5204
3.775		13489	9527
3.822		51330	36931
3.864		10055	6832
3.904		9129	7245
3.935		46664	26496
3.957		498169	329932
3.983		55609	30477
4.003		41978	21726
4.021		127227	81710
4.057		443378	293441
4.09		172443	110111
4.109		112611	62071
4.17		32910	31512
4.205		162634	117929
4.264		335673	246838
4.297		91051	63839
4.325		556298	415923
4.363		43781	40757
4,418		265995	230836
4.455		40382	31130
4.488		377449	270412
		- · · · · -	

RTB	Compound B	Height B	Area B
4.513		60758	39673
4.556		230454	176090
4.583		12624	7433
4.619		2771	2553
4.658		220813	200138
4 711		264942	204417
4.751		63244	50946
4.791		419145	400935
4.839		27478	17860
4.862		12407	8198
4.925		5858	7092
4.98		20010	18677
5.016		20778	15023
5.041		124782	100703
5.09		16107	13129
5.127		13571	10204
5.156		6514	6194
5.187		58223	41850
5.209		42420	36248
5.283		2942	3930
5.425		1888	1527
5.468	•	50843	51213
5.627		5432	5540
5.67		2206	1762
5.696		4351	3852
5.741		2829	2909
5.848		2984	3003
6.048		5111	5300
6.21	DCB	547030	487015
6.604		894	2991
6.695		2110	3090
6.783		1012	1728
6.829	•	955	2122
6.891		775	564
6.99		947	1505







10736

LANCASTER LABORATORIES

Sample Number: AR5411624A

AAAR541AA ICAL 1611599999

SW-846 8082

Injected On: 4/25/2016 7:40:05 PM Instrument ID: CP25-18274 Sample Weight: 1 Dilution Factor: 1

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0,32mm x 0,5um Column B ID: ZB Multiresidue-2 30m x 0,32mm x 0,25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	Compound B
3.023	864673	4.783	TCX	2.679	893300	4.057	TCX
6.767	421047	4.708	DCB	6.21	547030	4.186	DCB ·

Files:

Area File: 25PCBS16116001.0017.RAW Area File: 25PCBS16116001B.0017.RAW

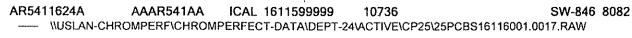
Method A: 25PCBS.MET Method B: 25PCBSB.MET

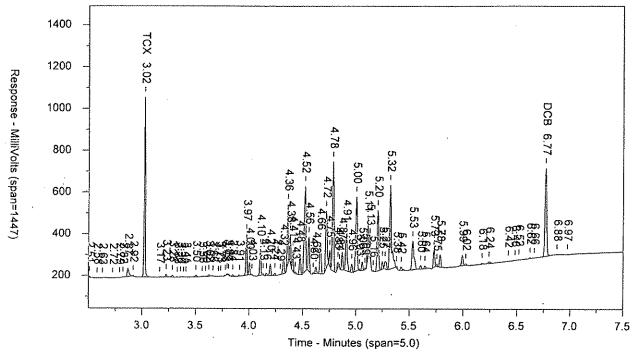
Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA

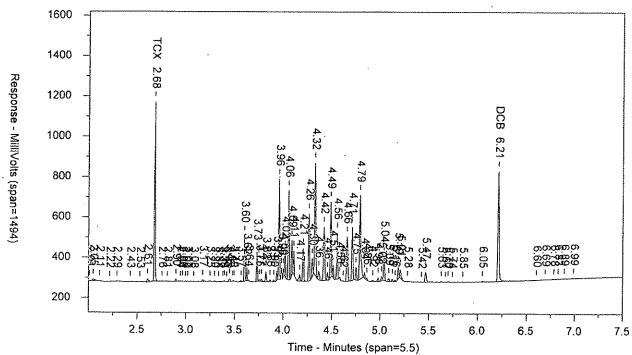
Format B: pestD25.FMTB

Area File Created On: 4/25/2016 7:48:37 PM File Reported On: 4/25/2016 at 7:48:47 PM





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Sample Number: AR5421624B

AAAR542AA ICAL 1611599999 10736

SW-846 8082

Injected On: 4/25/2016 7:51:46 PM Instrument ID: CP25-18274

Injection Volume: 1 uf Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0018.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

RT A	Compound A	Height A	Агеа А
2.048		9923	12360
2.11		2154	3221
2.173		14111	26157
2.223		3616	8137
2.278		1829	2477
2.308		9353	9416
2.397		19033	12400
2.421		3291	3333
2.464		3727	4468
2.509		5402	3951
2.529		2769	1975
2.58		3726	4195
2.629		3502	2201
2.724		4373	3269
2,79		1072	2404
2,817		5364	3776
2.866		24636	24316
2.908		5397	6485
2.997		3384	1946
3.023	TCX	1635313	1123106
3.081		5181	3345
3,167		6104	7062
3.226		28440	18220
3.248		4423	2449
3.283		12685	10160
3.329		5281	4199
3,359		5895	3694
3,408		5004	4013
3,487		1954	1310
3.503		10281	5826
3.518		3574	1910
3.563		6171	6315
3.593		2013	1297
3.622		12320	13650
3.66		3281	3258
3.712		4762	4332
3.732		2602	1327
3.793		11994	6224
3.806		11191	7852
3.845		16728	18917
3.905		12010	9095
3.933		3185	2161
3.974		369470	279932
4	*	106657	80418
4.024		11174	6378
4.103		233742	186352
4.129	•	17410	10609
4,16		25246	19215
4.197		105122	89018
4.238		25533	21633
4.268		2450	1520
4.291		1827	1348
4.322		77640	76526
4.361		537224	398245

Printed on 4/25/2016 8:00:25 PM

RTA	Compound A	Height A	Area A
4.382		245964	152377
4.407		172277	131890
4.432		6966	4263
4.475		162974	146685
4.519		762895	774512
4.555		289181	245909
4,597		13371	9205
4.621		58165	50536
4.664		288992	252945
4.717		525193	476158
4.75		123514	88786
4.781		978833	868022
4.828		85005	114618
4.869		152973	130318
4.906		318824	337861
4.958		73425	67843
5.001		652182	656704
5.03		12826	8071
5,057		75781	63263
5.084		16757	9991
5.11		250177	201142
5.129		147709	102109
5.161		9996	7006
5.204		593518	543013
5.246		70433	55674
5.272		65372	94650
5.32		768687	1008395
5.424		32977	40569
5.529		258929	338424
5.58		250323	1310
5.604		34717	31363
5.644		28139	26617
5.682		6412	5082
5.728		153664	141101
5.754		23892	15440
5.784		114314	112908
5.924		1250	3658
5.991		97444	91168
6.022		15875	16486
6.175		10240	10000
6.239		10665	9682
6.261		2183	1849
6.373		2163 520	2357
6.42		5785	6402
6.477		3083	3598
6.513		3003 1965	აიყი 1962
6.621		8857	10007
6.674		1061	401
6.768	DCB	788610	
0.700	DOD.	100010	843773

Sample Number: AR5421624B

AAAR542AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 7:51:46 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min Column A ID: ZB Multiresidue-1 $30m \times 0.32mm \times 0.5um$

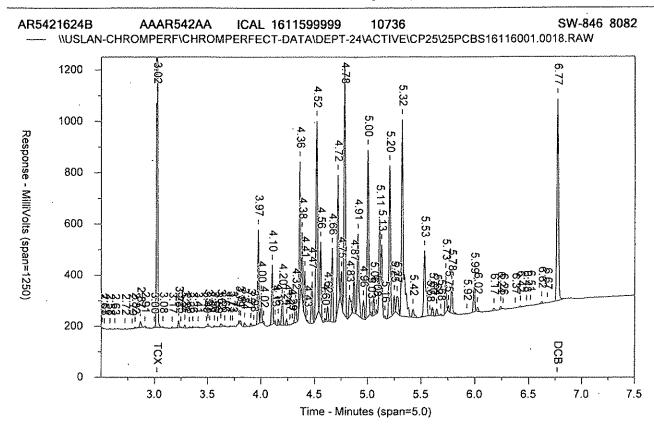
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Data File: 25PCBS16116001B.0018.RAW

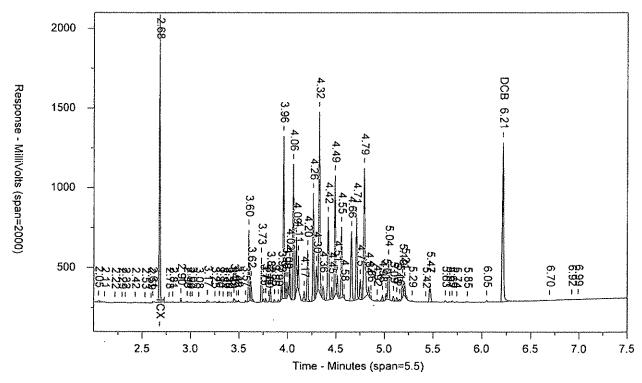
Method File: 25PCBSB.MET

05.10.2.			J, 12
RT B	Compound B	Height B	Area B
2.049		8916	15960
2.112		4396	3559
2.218		3217	2987
2.291		2545	2975
2.324		3329	3158
2.424		4418	4398
2.529		4309	9199
2.59		2367	1614
2.607		7933	4494
2.679	TCX	1804766	1052644
2.777		2295	4570
2.815		3962	4959
2.899		26465	17345
2.964		7268	5884
2.994		3185	2216
3.016		4726	2732
3.083		3801	3998
3.172		14929	16816
3.249		5684	6427
3.296		9673	6274
3.335		4669	3637
3.38		3044	1449
3.394		4616	2161
3.417		3163	2283
3.446		25430	24577
3.476		6979	3381
3.491		9907	7905
3.567		12901	8714
3.6		448992	262687
3.624		123922	82030
3.729		276964	168741
3.753		19518	10258
3.774	•	24250	16598
3.805		3250	1702
3.821		99747	60741
3.865		19048	13044
3.903		16946	13648
3.934		88956	51226
3.956		1020428	646246
3.982		104113	58957
4.002		84834	45151
4.02		201766	125775
4.056		852475	572750
4.089		343273	214527
4,108		209053	118557
4,169		63398	53265
4.204		320273	231608
4.262		674231	487772
4.297		173447	126533
4.324		1124778	827488
4.363		81264	79607
4.417		521050	450162
4.454		79443	61649
4.487		753361	537881

RTB	Compound B	Height B	Area B
4.512		122831	77406
4.555		443161	343404
4.582		24189	14717
4.658		436675	391731
4.711		517345	413128
4.751		125177	103740
4.791		812730	795969
4.838		58375	36794
4.861		24843	16332
4.925		9349	10493
4.979		38050	35730
5.015		41980	29643
5.04	•	250289	199383
5.091		30925	25112
5.126		24869	19517
5.156		13148	11772
5.187	•	119489	85061
5.208		83589	69252
5.285		5535	7486
5.425		4134	3265
5.467		100665	100520
5.626		10068	9274
5.67		4852	3519
5.694		7314	5762
5.743		5111	5350
5.85		4899	4093
6,05		9397	10620
6.211	DCB	997455	938295
6.695		2500	4394
6.923		1371	8640
6.991		1118	2068







LANCASTER LABORATORIES

Sample Number: AR5421624B

AAAR542AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 7:51:46 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.023	1635313	9.046	TCX	2.679	1804766	8.196	TCX
6.768	788610	8,818	DCB	6.211	997455	7.632	DCB

Files:

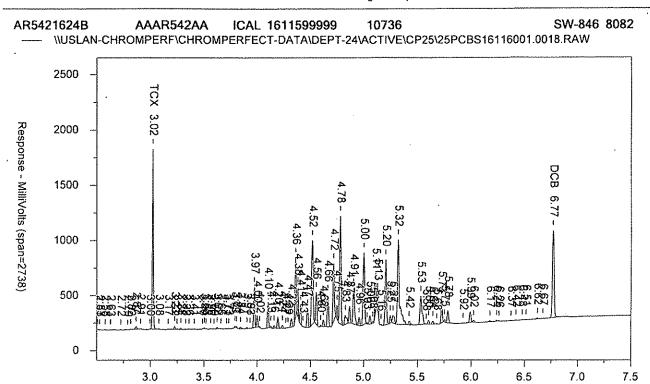
Area File: 25PCBS16116001.0018.RAW Area File: 25PCBS16116001B.0018.RAW

Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

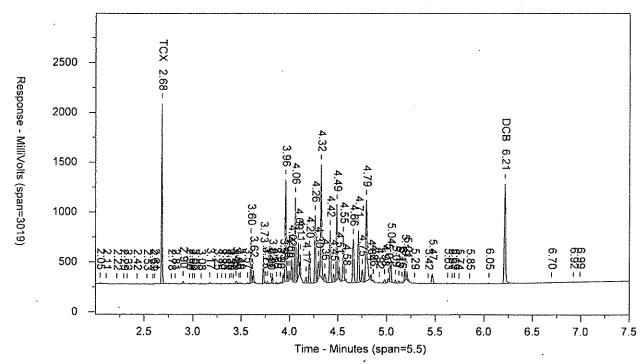
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 8:00:17 PM . File Reported On: 4/25/2016 at 8:00:25 PM



\\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0018.RAW

Time - Minutes (span=5.0)



Sample Number: AR5431624A Injected On: 4/25/2016 8:03:31 PM AAAR543AA

ICAL 1611599999 1

10736

Injection Volume: 1 ul

SW-846 8082

Instrument ID: CP25-18274 Analyst: 2855 Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0019.RAW

Method File: 25PCBS.MET

RTA	Compound A	Height A	Area A
2.049		9758	12423
2.112		1197	956
2.176		12514	38448
2.285		2379	1707
2.308		22768	17563
2.398		21092	13497
2.42		7818	5375
2.464		2767	2547
2.511		5675	5503
2.583		2553	2577
2.66		3354	6064
2.725		2295	1527
2.799		1319	3469
2.819		2692	3089
2.868		28413	29318
2.918	mar as a d	4548	4400
3.024	TCX	3831878	2657160
3.177		3106	4874
3.227		67379	48316
3.285		23002	16922
3.33		2533	1682
3,361		13417	8351
3.382		2078	1474
		1999	1406
3.503 3.574		29783	33979 5099
3.594		3127	
3.623		2494 27829	1665 22835
3.663		2141	1575
3.697		3291	2854
3.733		6448	3519
3.75		3774	1955
3.776		13055	7240
3.794		46689	72139
3.846		36121	34006
3.907		29548	24625
3.975		805901	600842
4.003		221404	164414
4.026		27754	15708
4.105		487802	402462
4.131		39001	24353
4.161		51881	38939
4,198		233484	196860
4.24		52595	42214
4.269		4569	2635
4.289		5628	3932
4.323		96485	93244
4.362		1178200	877033
4.383		530772	327328
4.409		373471	291062
4.476		362241	311729
4.52		1722217	1700769
4.557		627432	526380
4.598		30661.	21375

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RTA	Compound A	Height A	Area A
4.623		121638	105202
4.666		591298	546858
4.719-		1162631	1060214
4.752		294943	199379
4.783~		2178997	1931634
4.829		187976	247522
4.87		332934	283005
4.908~		690622	725865
4.961		161438	147239
5.003~		1475566	1428242
5.032		28503	17273
5.059		152844	132236
5.087		30938	19394
5.113		579945	441653
5.131		334545	221914
5.162		21729	15742
5.205-		1255207	1213776
5.248		153783	121610
5.274		146378	202392
5.321		1603079	2003984
5.382		39016	26626
5.426	r	71543	87316
5.531	1	557399	735962
5.58		4357	2432
5.606		71828	65290
5.645		61773	59558
5.685		13582	10471
5.729		323190	312339
5.756		54082	34845
5.785		249821	242961
5.889		1775	2711
5.921	•	1160	867
5.993		207384	203862
6.024		36816	36723
6.089		2292	2733
6,177		22591	23977
6.241		37119	53619
6.419		11478	12161
6.481		5426	6584
6.514		6662	8412
6.622		21298	23286
6.768	DC8	1780146	1887696

Sample Number: AR5431624A

AAAR543AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 8:03:31 PM Instrument ID: CP25-18274

Injection Volume: 1 ul

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

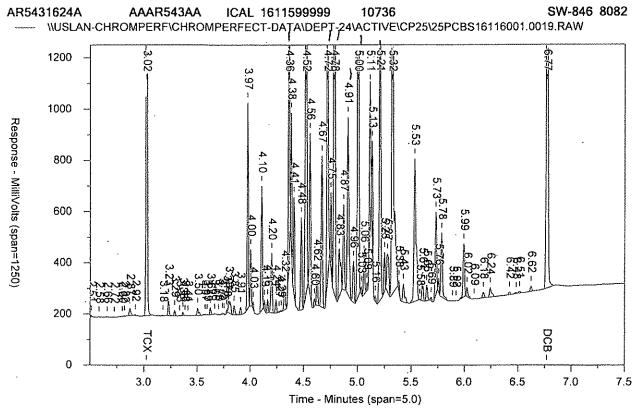
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

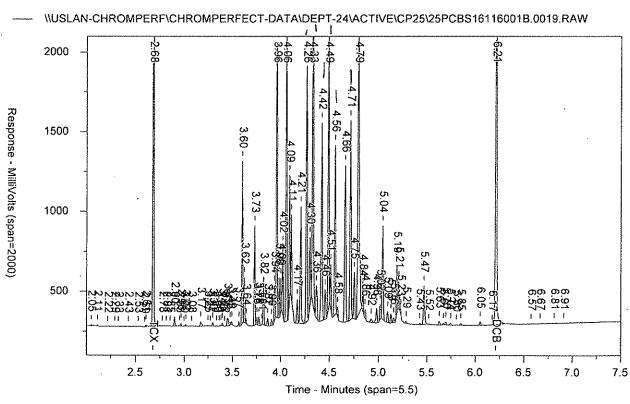
Data File: 25PCBS16116001B.0019.RAW

Method File: 25PCBSB.MET

RTB	Compound B	Height B	Area B
2.05		7117	12657
2.113		8107	5481
2.219		2430	333 <del>6</del>
2.29		2969	4334
2.326	1	2068	2463
2.426		2901	2927
2.527		2209	1884
2.593		2400	1819
2.608		12114	12929
2.679	TCX	4592322	2705196
2.775		2127	3971
2.815		1356	1209
2.852		1793	1033
2.899		60113	36404
2.948		1142	766
2.965		15425	8764
2.997		1153	805
3.016		11290	6357
3.077		2782	3899
3.173		28301	27948
3.248		4001	2810
3.271	•	2301	1368
3.297		22113	14566
3.334		. 4991	3572
3.363		3244	1613
3.381		5215	2614
3.395		17967	9202
3.418		1196	
3.447			1003
		53320	53495
3.477		18115	8777
3.492		21073	12426
3.567		30382	19270
3.601		1020662	603739
3.625		283028	163063
3.644		33597	16067
3.73		624879	383832
3.754		47045	24407
3,775		53790	38207
3.806		6697	2886
3.822		235696	147146
3.865		48663	33689
3.905		41250	-32800
3.936		214608	121393
3.958		2435181	1532622
3.983		253752	141715
4,004		214412	112993
4.022		426377	252307
4.058		2032086	1332618
4.091		796089	497934
4.11		520222	282592
4.171		149639	109865
4.206		732781	531374
4.264~		1589976	1166667
4,298		438604	304744
.,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	00 H T-T

RTB	Compound B	Height B	Area B
4.326~	Compound b	2418717	1846459
4.364		202629	186588
4.419		1243554	1054438
4.456		189276	143717
4.489~		1795478	1285583
4.513		276671	177207
4.556		1065323	795532
4.584		55837	35298
4.659		982668	915785
4.713	-	1249981	1000944
4.752		295554	243442
4.792		2011537	1896435
4.84		140417	89020
4.863		56154	37321
4.924		23647	27916
4.981		89887	81845
5.017		98495	67534
5.042		585598	466104
5.093		69792	57221
5.127		58646	45926
5,157		30786	27088
5.188		298997	206580
5.209		174608	118890
5.229		33700	17702
5.285		13579	13107
5.426		9056	7181
5.469		244224	233776
5.518		3391	3412
5.628		23847	19868
5,671		9990	7597
5.695	•	18157	14254
5.745		12778	11180
5.804		2635	2700
5.85		11238	9817
6.05		23508	23396
6.175		925	796
6.211	DCB	2504132	2231979
6.574		1692	2481
6.666		2052	1891
6.811 6.913	•	1585	1265
0.913		1057	899





10736

#### LANCASTER LABORATORIES

Sample Number: AR5431624A

ICAL 1611599999 'AAAR543AA

Injected On: 4/25/2016 8:03:31 PM

Sample Weight: 1

SW-846 8082

Instrument ID: CP25-18274

Dilution Factor: 1

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min Column A ID: Z8 Multiresidue-1 30m x 0.32mm x 0.5um

Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B.	Height B		Compound B
3.024	3831878	21.197	TCX	2.679	4592322	20.855	TCX
6.768	1780146	19.906	DCB	6.211	2504132	19.161	DCB

Files:

Area File: 25PCBS16116001.0019.RAW Area File: 25PCBS16116001B.0019.RAW

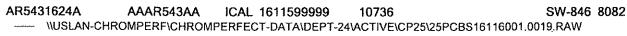
Method A: 25PCBS.MET Method B: 25PCBSB.MET

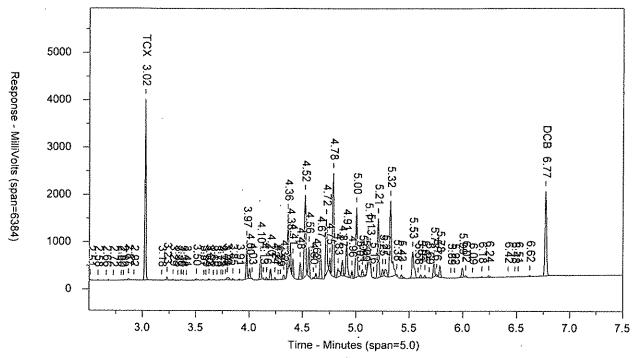
Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

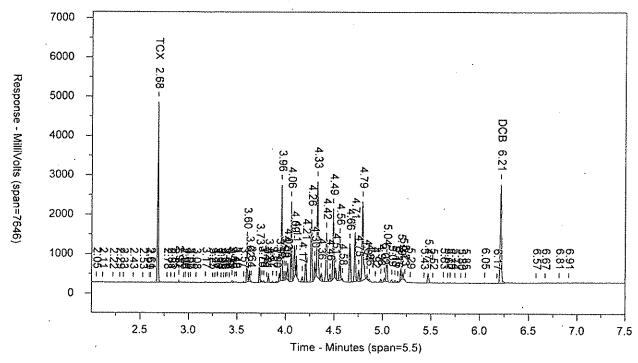
Area File Created On: 4/25/2016 8:12:03 PM

File Reported On: 4/25/2016 at 8:12:09 PM





# --- \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0019.RAW



Sample Number: AR5441624A

AAAR544AA ICAL 1611599999

9 10736

SW-846 8082

Injected On: 4/25/2016 8:15:13 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PC8S16116001.0020.RAW

Method File: 25PCBS.MET

Cantract	Cambradan File: 201 CDS 10 1 100 1.CM						
RTA	Compound A	Height A	Area A				
2.049		9991	12414				
2.174		17884	48020				
2.307		42543	31166				
2.397		24635	15742				
2.42		15541	9547				
2.465		2693	3170				
2.508		6518	5787				
2.581		2523	2663				
2.661		2430	2638				
2.723		1079	732				
2.788		1095	2171				
2.821		1644	991				
2.867		66568	77819				
. 2.917		4420	2854				
2.943		1523	1249				
3.023	TCX	7363580	4991488				
3.176		4911	6440				
3.226	•	125392	88409				
3.284		38622	27411				
3.331		1708	1271				
3.36		24491	15824				
3.379		3739	2454				
3.409		1843	1499				
3.502		45056	27100				
3.52		18329	95 <del>6</del> 4				
3,558		4508	2675				
3.622		49079	38617				
3.664	,	1575	1070				
3.678		4584	2390				
3.697		5510	3493				
3.733		11722	6554				
3.748		6029	2858				
3.793		51860	29369				
3.807		45767	32127				
3.844		65005	55359				
3.906		54062	44175				
3.95		5980	3704				
3.974	•	1455451	1097305				
4.002		408529	292788				
4.026		54356	31255				
4.104		935127	726726				
4.13		67935	44149				
4.161		96544	72181				
4.198		407466	357540				
4.24		92718	76586				
4.268		10549	6583				
4.287		4728	2747				
4.323		131609	122132				
4.362		2184965	1633102				
4.383		948170	615006				
4.408		692677	529024				
4.476		638938	562236				
4.519		3150614	3163414				
4.556		1161852	961270				

RT A         Compound A         Height A         Area A           4.598         56701         39432           4.622         223607         181062           4.665         1123441         996698           4.719         2202068         1970023           4.751         522516         368876           4.782         3956556         3594933           4.828         328826         446547           4.869         582382         513823           4.907         1244728         1314025           4.96         307543         270683           5.002         2752018         2659890           5.032         51914         31857           5.058         279441         237401           5.086         61317         35925           5.112         1041288         808307           5.13         557364         389092           5.162         40721         30487           5.205         2435065         2262508           5.246         281739         227110           5.275         258461         370067           5.321         3006477         3676484           5.425				
4.622       223607       181062         4.665       1123441       996698         4.719       2202068       1970023         4.751       522516       368876         4.782       3956556       3594933         4.828       328826       446547         4.869       582382       513823         4.907       1244728       1314025         4.96       307543       270883         5.002       2752018       2659890         5.032       51914       31857         5.058       279441       237401         5.086       61317       35925         5.112       1041288       808307         5.13       557364       389092         5.162       40721       30487         5.205       2435065       2262508         5.246       281739       227110         5.275       258461       370067         5.32       3006477       3676484         5.381       74163       46566         5.425       113681       95312         5.447       21744       13470         5.503       7080       4626         5.5	RTA	Compound A	Height A	Area A
4.665       1123441       996698         4.719       2202068       1970023         4.751       522516       368876         4.782       3956556       3594933         4.828       328826       446547         4.869       582382       513823         4.907       1244728       1314025         4.96       307543       270683         5.002       2752018       2659890         5.032       51914       31857         5.058       279441       237401         5.086       61317       35925         5.112       1041288       808307         5.13       557364       389092         5.162       40721       30487         5.205       2435065       2262508         5.246       281739       227110         5.275       258461       370067         5.32       3006477       3676484         5.381       74163       46566         5.425       113681       95312         5.447       21744       13470         5.503       7080       4626         5.531       1008923       1311498         5				
4.719       2202068       1970023         4.751       522516       368876         4.782       3956556       3594933         4.828       328826       446547         4.869       582382       513823         4.907       1244728       1314025         4.96       307543       270683         5.002       2752018       2659890         5.032       51914       31857         5.058       279441       237401         5.086       61317       35925         5.112       1041288       808307         5.13       557364       389092         5.162       40721       30487         5.205       2435065       2262508         5.246       281739       227110         5.275       258461       370067         5.32       3006477       3676484         5.331       74163       46566         5.425       113681       95312         5.447       21744       13470         5.503       7080       4626         5.531       1008923       1311498         5.605       126438       117593         5.				
4.751       522516       368876         4.782       3956556       3594933         4.828       328826       446547         4.869       582382       513823         4.907       1244728       1314025         4.96       307543       270683         5.002       2752018       2659890         5.032       51914       31857         5.058       279441       237401         5.086       61317       35925         5.112       1041288       808307         5.13       557364       389092         5.162       40721       30487         5.205       2435065       2262508         5.246       281739       227110         5.275       258461       370067         5.32       3006477       3676484         5.32       3006477       3676484         5.425       113681       95312         5.447       21744       13470         5.503       7080       4626         5.531       1008923       1311498         5.605       126438       117593         5.645       114831       108659         5				
4.782       3956556       3594933         4.828       328826       446547         4.869       582382       513823         4.907       1244728       1314025         4.96       307543       270683         5.002       2752018       2659890         5.032       51914       31857         5.058       279441       237401         5.086       61317       35925         5.112       1041288       808307         5.13       557364       389092         5.162       40721       30487         5.205       2435065       2262508         5.246       281739       227110         5.275       258461       370067         5.32       3006477       3676484         5.381       74163       46566         5.425       113681       95312         5.447       21744       13470         5.503       7080       4626         5.531       1008923       1311498         5.605       126438       117593         5.685       31260       27354         5.729       655933       573281         5.784<				
4.828       328826       446547         4.869       582382       513823         4.907       1244728       1314025         4.96       307543       270683         5.002       2752018       2659890         5.032       51914       31857         5.058       279441       237401         5.086       61317       35925         5.112       1041288       808307         5.13       557364       389092         5.162       40721       30487         5.205       2435065       2262508         5.246       281739       227110         5.275       258461       370067         5.32       3006477       3676484         5.381       74163       46566         5.425       113681       95312         5.447       21744       13470         5.503       7080       4626         5.531       1008923       1311498         5.605       126438       117593         5.685       31260       27354         5.729       655933       573281         5.784       451073       430155         5.869 <td></td> <td></td> <td></td> <td></td>				
4.869         582382         513823           4.907         1244728         1314025           4.96         307543         270683           5.002         2752018         2659890           5.032         51914         31857           5.058         279441         237401           5.058         279441         237401           5.058         61317         35925           5.112         1041288         808307           5.13         557364         389092           5.162         40721         30487           5.205         2435065         2262508           5.246         281739         227110           5.275         258461         370067           5.32         3006477         3676484           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.729         655933         573281           5.784         451073         4				
4.907         1244728         1314025           4.96         307543         270683           5.002         2752018         2659890           5.032         51914         31857           5.058         279441         237401           5.086         61317         35925           5.112         1041288         808307           5.13         557364         389092           5.162         40721         30487           5.205         2435065         2262508           5.246         281739         227110           5.275         258461         370067           5.32         3006477         3676484           5.425         113681         95312           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.685         31260         27354           5.729         655933         573281           5.784         451073         430155           5.869         2679         4008 </td <td>4.828</td> <td></td> <td></td> <td>446547</td>	4.828			446547
4.96       307543       270683         5.002       2752018       2659890         5.032       51914       31857         5.058       279441       237401         5.086       61317       35925         5.112       1041288       808307         5.13       557364       389092         5.162       40721       30487         5.205       2435065       2262508         5.246       281739       227110         5.275       258461       370067         5.32       3006477       3676484         5.381       74163       46566         5.425       113681       95312         5.447       21744       13470         5.503       7080       4626         5.531       1008923       1311498         5.605       126438       117593         5.645       114831       108659         5.645       31260       27354         5.729       655933       573281         5.755       89279       59284         5.784       451073       430155         5.869       2679       4008         5.991				
5.002         2752018         2659890           5.032         51914         31857           5.058         279441         237401           5.086         61317         35925           5.112         1041288         808307           5.13         557364         389092           5.162         40721         30487           5.205         2435065         2262508           5.246         281739         227110           5.275         258461         370067           5.32         3006477         3676484           5.381         74163         46566           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.764         451073         430155           5.869         2679         4008	4.907			1314025
5.032         51914         31857           5.058         279441         237401           5.086         61317         35925           5.112         1041288         808307           5.13         557364         389092           5.162         40721         30487           5.205         2435065         2262508           5.246         281739         227110           5.275         258461         370067           5.32         3006477         3676484           5.381         74163         46566           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.754         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779	4.96		307543	270683
5.058         279441         237401           5.086         61317         35925           5.112         1041288         808307           5.13         557364         389092           5.162         40721         30487           5.205         2435065         2262508           5.246         281739         227110           5.275         258461         370067           5.32         3006477         3676484           5.381         74163         46566           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779	5.002		2752018	2659890
5.086         61317         35925           5.112         1041288         808307           5.13         557364         389092           5.162         40721         30487           5.205         2435065         2262508           5.246         281739         227110           5.275         258461         370067           5.32         3006477         3676484           5.381         74163         46566           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475 <td>5.032</td> <td></td> <td>51914</td> <td>31857</td>	5.032		51914	31857
5.112         1041288         808307           5.13         557364         389092           5.162         40721         30487           5.205         2435065         2262508           5.246         281739         227110           5.275         258461         370067           5.32         3006477         3676484           5.381         74163         46566           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169 <td>5.058</td> <td></td> <td>279441</td> <td>237401</td>	5.058		279441	237401
5.13         557364         389092           5.162         40721         30487           5.205         2435065         2262508           5.246         281739         227110           5.275         258461         370067           5.32         3006477         3676484           5.381         74163         46566           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.42         21480         22783	5.086		61317	35925
5.162         40721         30487           5.205         2435065         2262508           5.246         281739         227110           5.275         258461         370067           5.32         3006477         3676484           5.381         74163         46566           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.264         12925         8591	5.112		1041288	808307
5.205         2435065         2262508           5.246         281739         227110           5.275         258461         370067           5.32         3006477         3676484           5.381         74163         46566           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814 <tr< td=""><td>5.13</td><td></td><td>557364</td><td>389092</td></tr<>	5.13		557364	389092
5.246         281739         227110           5.275         258461         370067           5.32         3006477         3676484           5.381         74163         46566           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814	5.162		40721	30487
5.275         258461         370067           5.32         3006477         3676484           5.381         74163         46566           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47649         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286	5.205		2435065	2262508
5.32         3006477         3676484           5.381         74163         46566           5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47649         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286           6.55         1446         863           6.622         39406         42257	5.246		281739	227110
5.381       74163       46566         5.425       113681       95312         5.447       21744       13470         5.503       7080       4626         5.531       1008923       1311498         5.605       126438       117593         5.645       114831       108659         5.685       31260       27354         5.729       655933       573281         5.755       89279       59284         5.784       451073       430155         5.869       2679       4008         5.991       379068       365728         6.022       67099       65779         6.09       2952       3475         6.176       43139       49169         6.24       47649       42736         6.264       12925       8591         6.42       21480       22783         6.48       2722       3814         6.519       1680       1286         6.655       1446       863         6.622       39406       42257	5.275		258461	370067
5.425         113681         95312           5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47649         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286           6.55         1446         863           6.622         39406         42257	5.32		3006477	3676484
5.447         21744         13470           5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286           6.55         1446         863           6.622         39406         42257	5.381		74163	46566
5.503         7080         4626           5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286           6.55         1446         863           6.622         39406         42257	5,425		113681	95312
5.531         1008923         1311498           5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286           6.55         1446         863           6.622         39406         42257	5.447		21744	13470
5.605         126438         117593           5.645         114831         108659           5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286           6.55         1446         863           6.622         39406         42257	5.503		7080	4626
5.645       114831       108659         5.685       31260       27354         5.729       655933       573281         5.755       89279       59284         5.784       451073       430155         5.869       2679       4008         5.991       379068       365728         6.022       67099       65779         6.09       2952       3475         6.176       43139       49169         6.24       47549       42736         6.264       12925       8591         6.42       21480       22783         6.48       2722       3814         6.519       1680       1286         6.55       1446       863         6.622       39406       42257	5.531		1008923	1311498
5.685         31260         27354           5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286           6.55         1446         863           6.622         39406         42257	5.605		126438	117593
5.729         655933         573281           5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286           6.55         1446         863           6.622         39406         42257	5.645		114831	108659
5.755         89279         59284           5.784         451073         430155           5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286           6.55         1446         863           6.622         39406         42257	5.685		31260	27354
5.784     451073     430155       5.869     2679     4008       5.991     379068     365728       6.022     67099     65779       6.09     2952     3475       6.176     43139     49169       6.24     47549     42736       6.264     12925     8591       6.42     21480     22783       6.48     2722     3814       6.519     1680     1286       6.55     1446     863       6.622     39406     42257	5.729		655933	573281
5.869         2679         4008           5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47649         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286           6.55         1446         863           6.622         39406         42257	5.755		89279	59284
5.991         379068         365728           6.022         67099         65779           6.09         2952         3475           6.176         43139         49169           6.24         47549         42736           6.264         12925         8591           6.42         21480         22783           6.48         2722         3814           6.519         1680         1286           6.55         1446         863           6.622         39406         42257	5.784		451073	430155
6.022     67099     65779       6.09     2952     3475       6.176     43139     49169       6.24     47549     42736       6.264     12925     8591       6.42     21480     22783       6.48     2722     3814       6.519     1680     1286       6.55     1446     863       6.622     39406     42257	5.869		2679	4008
6.09     2952     3475       6.176     43139     49169       6.24     47549     42736       6.264     12925     8591       6.42     21480     22783       6.48     2722     3814       6.519     1680     1286       6.55     1446     863       6.622     39406     42257	5.991		379068	365728
6.176     43139     49169       6.24     47549     42736       6.264     12925     8591       6.42     21480     22783       6.48     2722     3814       6.519     1680     1286       6.55     1446     863       6.622     39406     42257	6.022		67099	65779
6.24     47549     42736       6.264     12925     8591       6.42     21480     22783       6.48     2722     3814       6.519     1680     1286       6.55     1446     863       6.622     39406     42257	6.09		2952	3475
6.264     12925     8591       6.42     21480     22783       6.48     2722     3814       6.519     1680     1286       6.55     1446     863       6.622     39406     42257	6.176		43139	49169
6.42     21480     22783       6.48     2722     3814       6.519     1680     1286       6.55     1446     863       6.622     39406     42257	6.24		47549	42736
6.48     2722     3814       6.519     1680     1286       6.55     1446     863       6.622     39406     42257	6.264		12925	8591
6.519 1680 1286 6.55 1446 863 6.622 39406 42257	6.42		21480	22783
6.55 1446 863 6.622 39406 42257	6.48		2722	3814
6.55 1446 863 6.622 39406 42257	6.519		1680	1286
6.622 39406 42257	6.55			
	6.622		39406	42257
	6.77	DCB	3151104	3640192

Sample Number: AR5441624A

AAAR544AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 8:15:13 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min Column A ID: ZB Multiresidue-1  $30m \times 0.32mm \times 0.5um$ 

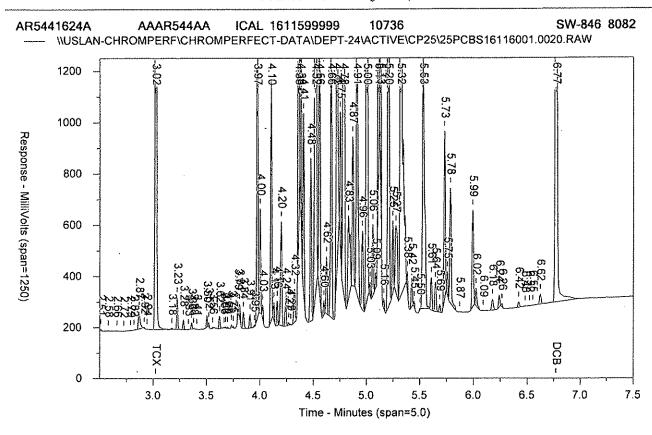
Column A ID; ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID; ZB Multiresidue-2 30m x 0.32mm x 0.25um

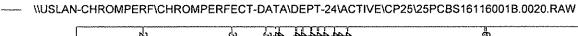
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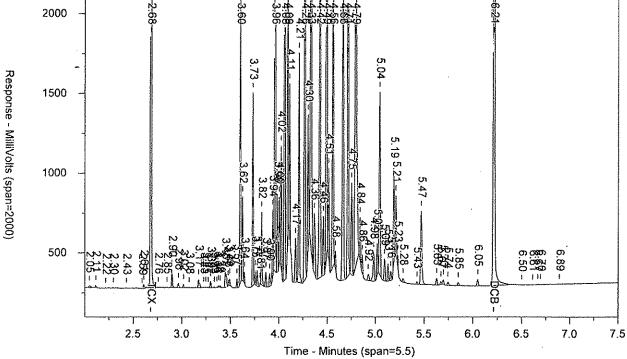
Method File: 25PCBSB.MET

RTB	Compound B	Height B	Area B
2.047		11216	19102
2.113		14408	9785
2.216		1325	1329
2.296		2590	3468
2.429	•	1884	2540
2.591		3700	1985
2.607		26193	25712
2.679	TCX	9399663	5394492
2.757		1657	3365
2.849		4264	3316
2,899		112063	69151
2.964		29139	17132
3.016		21916	12460
3.076		3877	2852
3.172		50913	48455
3.226		4290	2426
3.248		4606	2647
3.272		3681	2173
3,297		41937	27870
3.334		6958	4392
3.361		7058	3466
3,38		12236	5809
3.395		9754	4849
3.446		94725	100016
3.476		32647	15496
3.491		40638	23667
3.567		56925	35978
3.507		1955246	1153240
3.624		527719	305845
3.643			
		70178	32661
3.73		1211631	732299
3.753		89687	46906
3,774	•	98636	68399
3.806		12407	6027
3.822		458867	282490
3.865		91882	64217
3.904		78591	62177
3.935		415776	234533
3.957		4778513	3014346
3.983	•	481214	273575
4.003		415677	217759
4.021		754670	450918
4.058		3928419	2642020
4,09		1555130	973859
4.11		935251	525396
4,171		. 276891	202672
4.206		1441372	1020462
4.264		3179264	2314255
4.298		867442	606367
4.325		5478561	3941748
4.364		376497	354796
4,419		2390407	2060029
4.456		372672	281648
4.489		3738758	2605816

RTB	Сотроила В	Height B	Area B
4.513	Compound D	560290	353393
4.556		2050904	1555126
4.583		114989	70673
4.659		2013035	1791832
4.712		2648951	2024439
4.752		577597	471432
4.791		4077878	3787292
4.839		265904	171299
4.862		112805	73311
4,925		40241	42618
4.981	•	182572	159333
5.016		201094	133467
5.041		1141625	914984
5.092		139469	111589
5.127		111100	88196
5.156		58937	50967
5.188		571302	407441
5.209		370782	230313
5.228	•	70995	37752
5.284		23519	23545
5.425		17212	13285
5.468		460775	466994
5.627		42899	36926
5.67		19259	14595
5.696		31345	24979
5.744		22861	20988
5.85		21171	17876
6.05		41353	36659
6.211	DCB	4861944	4465403
6.501		1170	713
6.613		847	675
6.667		3071	3072
6,697		1669	1237
6.892		1057	755







10736

#### LANCASTER LABORATORIES

Sample Number: AR5441624A

AAAR544AA ICAL 1611599999

SW-846 8082

Injected On: 4/25/2016 8:15:13 PM Instrument ID: CP25-18274

Sample Weight: 1 Dilution Factor: 1

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.023	.7363580	40.734	TCX	2,679	9399663	42.686	TCX
6.77	3151104	35.236	DCB	6.211	4861944	37.202	DCB

Files

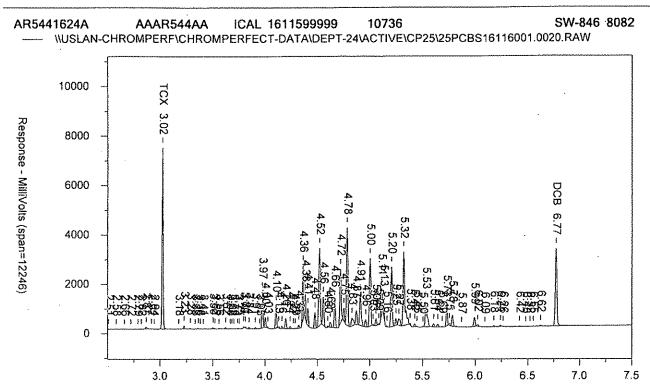
Area File: 25PCBS16116001.0020.RAW Area File: 25PCBS16116001B.0020.RAW

Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

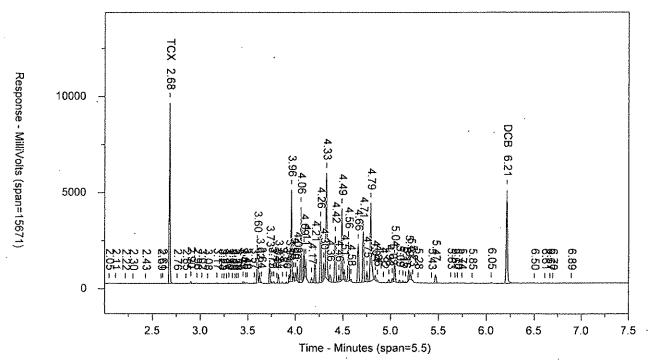
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 8:23:43 PM File Reported On: 4/25/2016 at 8:23:49 PM





Time - Minutes (span=5.0)



Sample Number: AR5451624A

AAAR545AA

ICAL 1611599999 10736 SW-846 8082

Injected On: 4/25/2016 8:26:58 PM

Instrument ID: CP25-18274

Injection Volume: 1 ul

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0021.RAW

Method File: 25PCBS.MET

RTA	Compound A	Height A	Area A
2.049		10952	14563
2,115		1776	2674
2.174		14333	21497
2.286	•	1799	1958
2.308		81530	59050
2.397		20961	13132
2.42		32073	20980
2.464		2812	2981
2.51		6818	4937
2.58		3177	4333
2.659		2508	2707
2.723		1793	972
2.793		702	2326
2.82		2027	1548
2.867		53334	60147
2.917		4544	3321
3.023	TCX	13422960	9442401
3.177	,	9616	10785
3.227		229849	163855
3.284		69730	47279
3.333		1343	773
3,36		47635	30279
3.38		6763	3968
3.503		79210	49550
3.52		34257	18447
3.558		8636	5027
3.575		5361	2529
3.592		5027	2830
3.622		90570	67565
3.663		1425	1148
3.679		10867	6344
3.698		10130	6517
3.734		20991	12271
3.749		10635	5103
3.794	-	87064	
			49709
3,807		70877	55091
3.845		115247	98002
3.907		102540	82912
3.949		13498 2765066	7395
3.975 4.002			2031232
		727039	530177
4.026		91790	51500
4.104		1754614	1337780
4.13		123913	80165
4.161		167800	128885
4.198		766878	648676
4.24		161956	136224
4.269		20876	13004
4.287		7435	4324
4.323		190213	178087
4.363		4091331	3043163
4.383		1844546	1153348
4.409		1301346	993915
4.477		1171676	1019782

		<del></del>	
RTA	Compound A	Height A	Area A
4.52		6051168	5832304
4.556		2093263	1774996
4.598		95809	69164
4.622		390753	320734
4.666		2049557	1835509
4.72		3945766	3663419
4.752		1001442	679767
4.783		7462444	6677374
4.829		624482	812099
4.87		1179307	954436
4.908		2382648	2431782
4.96		539580	489167
5.003		5008729	4939212
5.032		89550	53560
5.059		519930	431101
5.087		126285	72378
5.112		1979393	1494541
5.131		1209572	773606
5.162		67840	52135
5.205		4359352	4249631
5.248		517669	412064
5.275		475477	662469
5.321		5172273	4620895
5.343		320219	164341
5.361		199904	111241
5.382		116448	77692
5.426		199914	168611
5.446		33688	20409
5.503		12966	8353
5.531		1879101	2368513
5.579		13284	7689
5.605		234461	208082
5.646		208542	195526
5.686		56877	49870
5.73		1190907	1058162
5.754		166687	112468
5.784		798934	786670
5.87		3582	6336
5.992		689711	659151
6.023		120298	116500
6.087		4209	4840
6.176		81920	87123
6.239		86507	76935
6.262		20406	14210
6.379		1131	1448
6.419		40767	40092
6.477		9082	11255
6.516		2497	2232
6.544		2060	1828
6.586		1882	1662
6.62		75308	76954
6.722		1351	1368
6.767	DCB	6046371	6615045
0.707	~~~	0040371	JU 1 JU43

Sample Number: AR5451624A

AAAR545AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 8:26:58 PM

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274 Analys
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

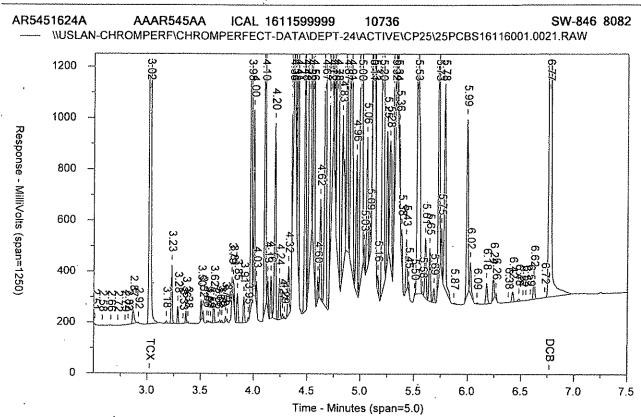
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

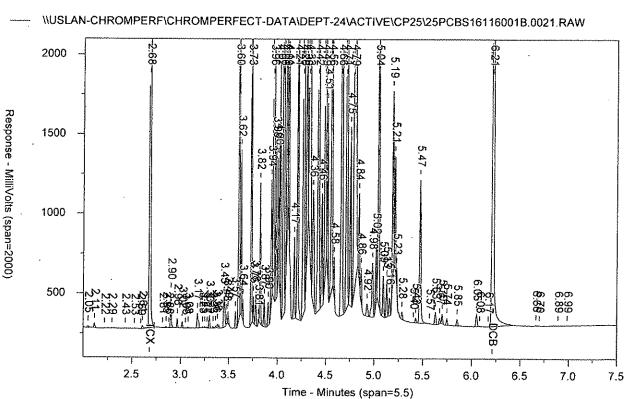
Data File: 25PCBS161160018.0021.RAW

Method File: 25PCBSB.MET

57.5		14 * 1 1 2	
RTB	Compound B	Height B	Area B
2.048		10673	16299
2.113		27532	17769
2.216		1985	2142
2.292	•	1997	2572
2.428		2993	6585
2.526		1228	1110
2.591		2802	1548
2.607	TT 0-1-1	21412	24080
2.679	TCX	18580000	10899420
2.812		1167	1046
2.85		8987	6521
2.878		2055	881
2.898		219775	134600
2.965		58614	36608
3.016		41950	25158
3.049		985	812
3.076		7776	6904
3.173		93358	88651
3.225		7636	3723
3.248		8386	4982
3.272		6603	4024
3.297		81733	53521
3.334		11237	7552
3.362		14534	7204
3.38		25162	25787
3.446		192078	190793
3.477		60673	29358
3.491		76156	42825
3.567		105799	67215
3.601		3850242	2243487
3.624		1038542	585515
3.643		130432	62627
3,73		2364366	1417565
3.754		167595	89780
3.775		191670	129526
3.805		25974	11733
3.822		879869	545131
3.865	_	174747	124657
3,905		148888	117609
3.936		786895	447563
3.957		9541817	5919044
3.983		932214	532341
4.004		782603	411160
4.022		1432993	848349
4.058		7623016	5160925
4.09	•	3107935	1919303
4.11		1860848	1028818
4.171		510722	379277
4.206		2899284	1985614
4.264		6487401	4611584
4.298		1658640	1161540
4.325		10556810	7694871
4.365		705386	676069
4.419		4813443	4060792

RTB	Compound B	Height B	Area B
4.456		709707	543465
4.489		7412084	5195743
4.513		1062090	680451
4.556		4161878	3070789
4.584		232684	143385
4.66		3753861	3540989
4.712		5385137	4102323
4.752		1124529	909230
4.792	•	7890238	7514185
4.84		524051	333521
4.862		206255	133038
4.925		77941	82382
4.981		342516	305852
5.017		357418	246863
5.041		2280629	1787732
5.092		256974	212931
5.128	,	225575	170344
5.156		114203	100190
5.188		1201343	831965
5.209		698897	450909
5.228		120877	66806
5.284		45940	41530
5.402		2338	1189
5.426		32489	25646
5,468		898244	891404
5.568		2134	2359
5.627		76900°	67739
5.67		35625	27824
5.696		60713	46906
5.744		44629	39135
5.849		41671	39114
6.049		78673	68673
6.082		2697	1982
6.172		1306	968
6.211	DCB	9732954	8668704
6.665		6244	5604
6.699		1371	1107
6.892		1423	5740
6.986		1096	955





#### Chrom Perfect Chromatogram Report

10736

#### LANCASTER LABORATORIES

Sample Number: AR5451624A

AAAR545AA ICAL 1611599999

SW-846 8082

Injected On: 4/25/2016 8:26:58 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount 8 - PPB	Compound B
3.023	13422960	74.253	TCX	2.679	18580000	84.375	TCX
6.767	6046371	67.611	DCB	6.211	9732954	74.473	DCB

Files:

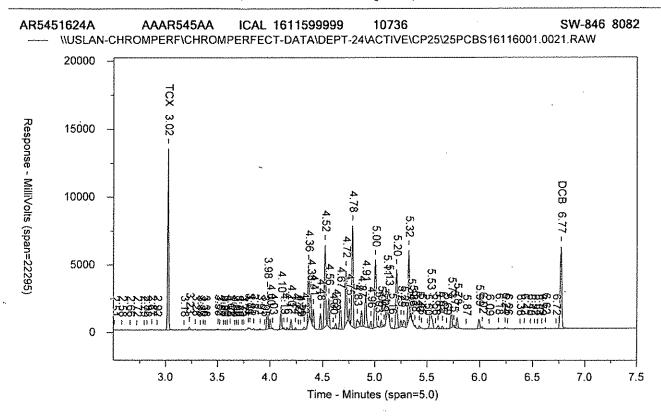
Area File: 25PCBS16116001.0021.RAW Area File: 25PCBS16116001B.0021.RAW

Method A: 25PCBS.MET Method B: 25PCBSB.MET

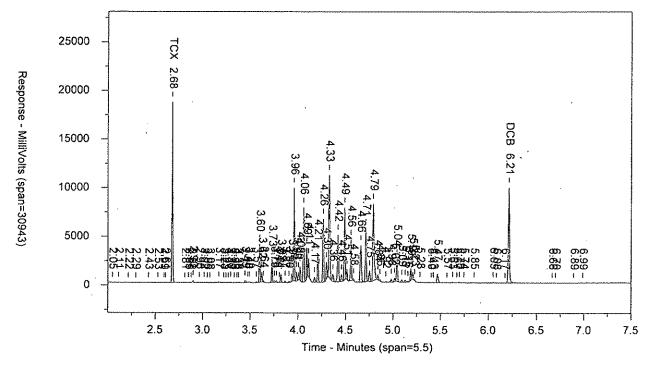
Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 8:35:29 PM File Reported On: 4/25/2016 at 8:35:39 PM







Sample Number: AR6231524B

AAAR623AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 8:38:39 PM Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0022.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

Canorati	on the. 201 CD	J.1001.001.C	ML
RT A	Compound A	Height A	Area A
2.048		9460	10421
2.131		1124	1371
2.174		11230	19964
2.286		3204	5004
2.396		275339	197348
2.463		2416	2734
2.509		6072	4018
2.581		2698	4679
2.66		6184	4408
2.746		901	602
2.782		1278	1628
2.843		1165	2520
2.866		32824	34487
2.917		4063	2743
2.948		1483	1826
3.022	TCX	2799	1883
3.041	100	3343	4890
3.179		3106	4328
3.179		4687	3483
3.283			19616
		29274	
3.328		1106 4286	1029
3.381			4250
3.502		31669	19135
3.519		13369	6955
3.558		2885	1690
3.592		2161	1523
3.621		36170	28400
3.661		5099	5593
3.696		2263	2140
3.733		8305	4889
3,773		4170	2181
3.794		20774	10356
3.806		34399	17921
3.844		41795	34096
3.907		33686	27479
3.974		39627	33661
4.002		23476	33308
4.104		33983	24861
4.129		8897	5589
4.161		9173	6246
4.198		26941	28314
4.239		. 8183	6793
4.287		3847	3016
4.322		64923	62682
4,362		204614	202704
4.407		26993	18923
4.434		11681	8980
4.476		25797	22033
4.521		250408	231204
4.557		16439	11134
4.622		3629	2359
4.665		32047	30271
4.736		206411	247503
4.782		120812	111858

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RT A Compound A	Height A	Area A
4.828	683950	737938
4.867	119410	94601
4.908	1077145	1031073
4.957	5681	5132
5.001	84090	98668
5.032	3552	1904
5.058	154545	148124
5.112	1197312	1362855
5.163	578319	552830
5.205	578910	741099
5.284	67647	63355
5.319	1008041	1119412
5.382	1629920	1537615
5.426	732039	729246
5.52	272165	217564
5.547	1338769	1367734
5.605	619807	618969
5.645	199587	148582
5,687	75282	72175
5.729	278219	267557
5.783~	3062826	3341607
5.988-	1706129	1958181
6.043	921213	1518918
6.176	103623	105955
6.241	34557	26115
6.263	440576	403662
6.376	884	803
6.419-	1064566	1083004
6.464	64032	57527
6.621	406673	424097
6.768 DCB	10628	11438
6.801	1577	980
6.852	2198	2072

Sample Number: AR6231524B

AAAR623AA ICAL 1611599999

9999 10736

SW-846 8082

Injected On: 4/25/2016 8:38:39 PM Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0,32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Data File: 25PCBS16116001B.0022.RAW

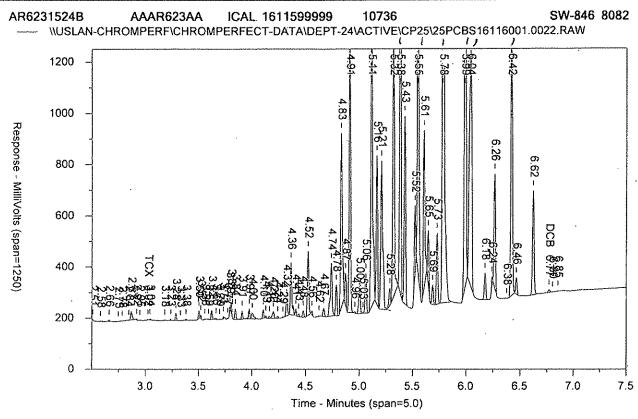
Method File: 25PCBSB.MET

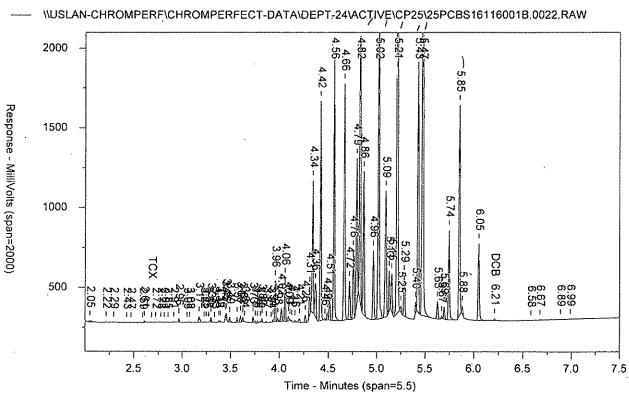
Calibration File: 25PCBS1611601B.CAL

RT B	Compound B	Height B	Area B
2.052	Compound 5	8004	23813
2.216		5623	4328
2.293		3529	3731
2.425		2195	
			2754
2.47		1866	1064
2.591	•	2303	1250
2.607		10789	6781
2.723		2289	1903
2.778		2222	3940
2.812		985	900
2.85		2450	1388
2.911		4075	2536
2.964		23743	13554
3.049		1525	1152
3.077		2887	2048
3.172	٠	35059	34439
3.224		3212	1511
3.246	•	2801	1723
3.271		2921	1893
3.296		31969	19990
3.334		2708	2610
3.379		8595	4369
3.395		8050	4283
3,446		21527	9805
3.456		32449	14004
3.49		33627	27201
3.566		33986	21285
3.6		40216	23200
3.625		28126	15935
3.643		5843	2751
3.73		36316	22976
3.753		13802	7514
3.775		14683	11030
3.805		6547	3397
3.822		24382	14064
3.865		7641	6372
3.915		3690	3931
3.935		14610	7862
3.956		258592	166646
3.983		25409	14459
4.02		82272	65598
4.057		272355	184430
4.092	•	27027	18604
4.109		9456	4082
4.124		7070	3325
4.159		12215	
4.139		24508	12196
4.205			23688
4.203		46374	33221
		176798	117114
4.338		826828	603766
4.365		207547	213530
4.418		1375763	1037411
4.463		9675	8800
4,488		48752	32082

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RTB Compound B	Height B	Area B
4.513	200770	144579
4.556	1638019	1245909
4.662	1481709	1257122
4.717	240884	197598
4.756	429538	345858
4.791	911800	777938
4.824	2068128	1589739
4.863	896928	707078
4,964	432566	354612
5.016~	2042089	1740222
5.091	790206	790673
5.127	250896	185557
5.154	235812	182654
5.209~	4100981	3384140
5.251	38915	26489
5.285	256424	216636
5.402	69298	43237
5.425-	1553001	1262908
5.472	2696485	2623323
5.627	110105	94796
5.6 <del>69</del>	17972	12470
5.695	74348	57704
5.745	562340	495987
5.849 -	1321893	1111764
5.88	51705	37063
6.05	482309	444326
6.211 DCB	12795	10404
6.582	1429	1211
6.673	3779	6075
6.886	1137	6166
6.989	1313	1726





#### Chrom Perfect Chromatogram Report

10736

## LANCASTER LABORATORIES

Sample Number: AR6231524B

AAAR623AA ICAL 1611599999

SW-846 8082

Injected On: 4/25/2016 8:38:39 PM Instrument ID: CP25-18274 Sample Weight: 1 Dilution Factor: 1

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	Compound B
3.022	2799	.015	TCX		0		TCX
6.768	10628	.119	DCB	6.211	12795	.098	DCB

Files:

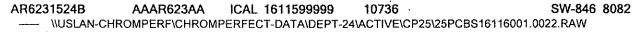
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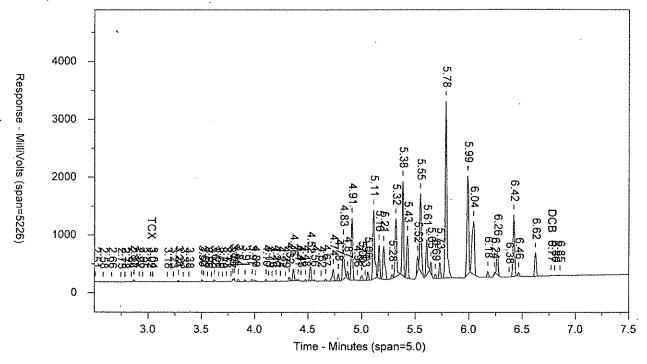
Method A: 25PCBS,MET Method B: 25PCBSB,MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

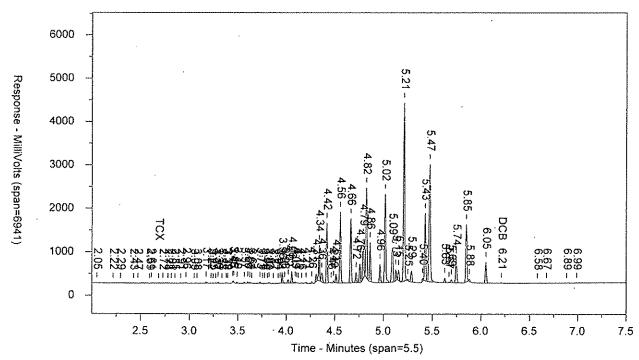
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 8:47:09 PM File Reported On: 4/25/2016 at 8:47:19 PM





## -- \\USLAN-CHROMPERF\CHROMPERFECT-DATA\\DEPT-24\\ACTIVE\\CP25\\25PCBS16116001B.0022.RAW



Sample Number: AR6831524B

AAAR683AA

ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 8:50:23 PM

Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0023.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

Odibidi	1017 ( NG. 201 CD	01011001.07	76.
RT A	Compound A	Height A	Area A
2.049		9507	11227
2.173		11242	21195
2.23		2478	5336
2.397		223581	161205
2.466		2542	2478
2.509		5918	4161
2.581		2557	4391
2.66		4546	3715
2.784		1304	2477
2.842		1043	2975
2.867		28968	30217
2.918		4310	3049
2,945		1638	1763
3.042	TCX	3866	8015
3,164		1385	1177
3.197		1543	1181
3.249		1004	596
3.286		7094	5210
3.328		1107	921
3.387		1472	2406
3.503		10134	11536
3.573		1701	2475
3.596		1675	1003
3.624		9245	8609
3.663		3940	3764
3.712		1390	1312
3.735		2902	3163
3.775		2611	1430
3.795		5613	2647
3.807		8539	4398
3,846		12905	11969
3.908		9813	8636
3.956		1833	1258
3.976		10263	6636
4.006	•	7519	7162
4.105		14200	10056
4.13		4994	3558
4.161		5651	4206
4.199		13415	13092
4:239		6986	7120
4.293		2437	2236
4.323		63136	63875
4.362		10148	6198
4.384		19246	13217
4.408		15926	10673
4,434		12301	10120
4.468		2274	2430
4.517		19524	16114
4.541		10530	8853
4.637		1983	3850
4.663		20068	18380
4.72		10200	9312
4.752	•	3719	2700
4.784		12193	11222

RT A	Compound A	Height A	Area A
4.83		5412	4490
4.87		9930	9443
4.909		6771	6581
4.953		9474	9545
5		16271	17673
5.036		14672	13341
5.085		1298	1277
5.113		14634	14251
5.163		59014	54914
5.205		19049	21593
5,277		6965	6453
5.316		26381	26665
5.383		638089	658756
5.426		56793	51478
5.521		35091	29543
5.562		790959	834184
5.626		249051	262851
5.687		30412	28730
5.731		8612	9841
5.785		290527	249437
5.807		148068	108159
5.883		2713	3191
5.987	•	3201585	3170731
6.046	•	2733873	3047235
6.177	•	2677859	2591205
6.242	•	684488	799742
6.42	• .	1071089	1111669
6.5		4116	3979
6.622	•	6673158	6937238
6.77	DCB	1391679	1505945
6.85		4044	9365

Sample Number: AR6831524B

AAAR683AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 8:50:23 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

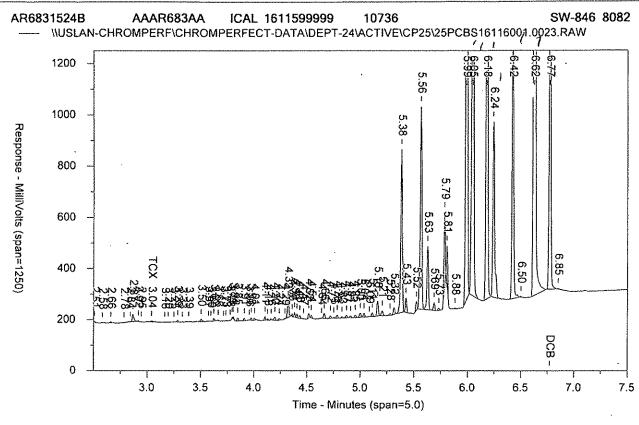
Data File: 25PCBS16116001B.0023.RAW

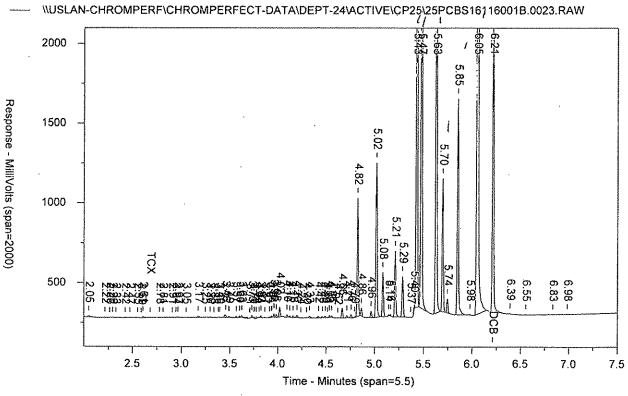
Method File: 25PCBSB.MET

Calibration File: 25PCBS1611601B.CAL

RTB	Compound B	Height B	Area B
2.05		8394	23145
2.217		4982	4209
2.264		1037	563
2.294		3826	3609
2.327		1341	1787
2.423		2609	3523
2.472		1729	1664
2.553		1595	2203
2.591		2317	1189
2.607		11222	14477
2.776		2247	4602
2.812		1465	2016
2.907		912	861
2.944		1347	1278
2.965		3169	1774
3.05		2155	2904
3.173		9057	12200
3.247		2250	1692
3.296		6371	4207
3.334		1419	1658
3.38		2295	1425
3.396		3219	1730
3.456		16140	18549
3.491		8083	8200
3.567		9819	6953
3.601		10773	6187
3.625		12856	23269
3.708		2438	1568
3,731		15535	10021
3.753		9081	5282
3.776		10368	9044
3.806		3600	1762
3.823		11284	6326
3.865		4907	3378
3.914		6763	4688
3.936		9784	6275
3.959		23351	14151
3.984		19422	11920
4.019		63218	52733
4.096		16078	11611
4.124		10224	6115
4.159		11676	9859
4.198		15583	13538
4.24	•	3575	2274
4.297		3664	2528
4.326		11667	12504
4.421		11194	11679
4.46		9199	
4.489		9778	7013 7344
4.513			
4.513		2770 12937	1566
4.55 <del>4</del> 4.556			8562 7447
		11486	7447
4.619		1652	1667
4.664		61576	50313

RTB Compo	ound B Height B	Area B
4.713	14915	12377
4.756	19650	19151
4.793	7012	5078
4.824	744994	622258
4.863	50116	36361
4.964	39936	33298
5.016	971478	861947
5.083	279505	246097
5.144	8109	5128
5.162	8582	5546
5.21	414012	361989
5.285	255559	223113
5.367	2355	1933
5.402	29467	17963
5.425-	4348740	3554509
5.474~	4236868	3513655
5.627~	3582936	3009532
5.696~	837174	734499
5.744	87924	70363
5.85-	1358485	1216178
5.978	6101	6727
6.05	10293310	9101003
6.211 DCB	2015666	1775852
6.391	3946	2949
6.553	4375	4849
6.834	1063	789
6.984	1111	989





Sample Number: AR6831524B

AAAR683AA ICAL 1611599999 10736

SW-846 8082

Injected On: 4/25/2016 8:50:23 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A		Compound A	RTB	Height B	Amount B - PPB	Compound B
3.042	3866	.021	TCX		0		TCX
6.77	1391679	15.562	DCB	6.211	2015666	15.423	DCB

Files:

Area File: 25PCBS16116001.0023.RAW Area File: 25PCBS16116001B.0023.RAW

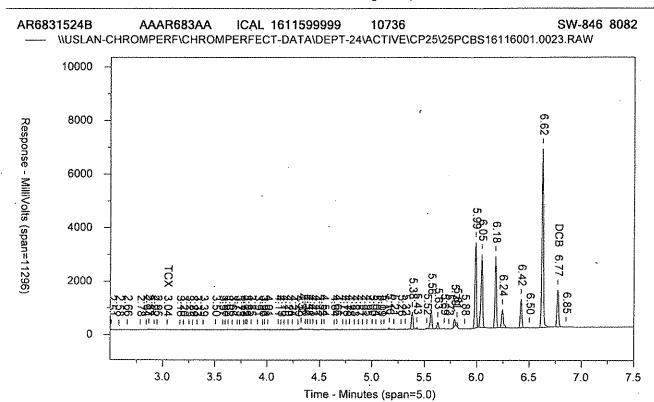
Method A: 25PCBS.MET Method B: 25PCBSB.MET

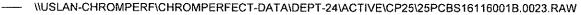
Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

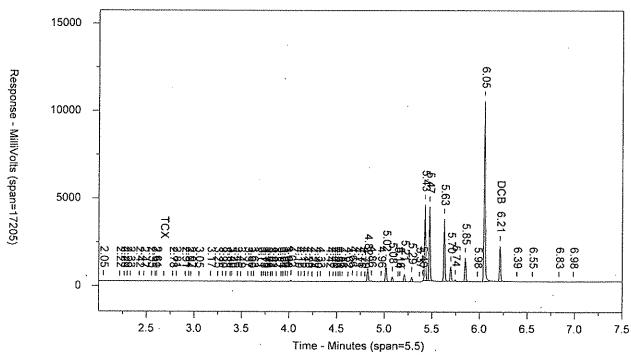
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 8:58:56 PM

File Reported On: 4/25/2016 at 8:59:05 PM







Sample Number: AR2131624A

Instrument ID: CP25-18274

Injected On: 4/25/2016 9:02:06 PM

AAAR213AA

ICAL 1611599999

10736

SW-846 8082

Injection Volume: 1 ul

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0024.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

RTA	Compound A	Height A	Area A
2.049		5647	8678
2.122		1160	1492
2.174		18990-	52689
2.286		2575	1323
2.308		44746	34761
2.397		21489	13549
2.42		16107	10265
2.468		2301	3287
2.509		2983	2248
2.581		2339	2509
2.658		278362	198292
2.791		1318	2761
2.845		1237	2827
2.868		63404	67605
2.94		92289	61655
3.024	TCX	7566391	5082522
3.178		347901	295725
3.235	•	298102	272737
3.284		922463	655925
3.331		1140	749
3.36		24155	15201
3.38		7432	4301
3.503		55401	33803
3.53		41678	62075
3.558		5769	2366
3.591	,	129785	91217
3.621		74893	56179
3.664		1262	903
3.696		5988	3589
3.733		20924	11311
3.749		22057	11942
3.794		26595	16040
3.806		73758	41468
3.845		96612	79280
3,909		65712	51860
3.976		31430	24020
4.003		15117	12323
4,105		24092	17909
4.132		7232	5589
4.162		5375	3412
4.201		31791	33018
4.238		6618	5810
4.323		66536	64886
4.362		33386	23845
4.384		22602	15007
4.409		19955	14797
4.434		11454	8945
4.477		7609	6885
4.519		46206	46618
4.557		10716	6481
4.621		2902	3616
4.666		13944	11927
4.72		26084	23881
4.752	•	5453	3915

RTA	Compound A	Height A	Area A
4.783		44817	40350
4.827		3313	2243
4.871		9190	7794
4.908		14671	14863
4.962		3124	2329
5.003		26488	25342
5.036		15241	14536
5.112		12308	9027
5.131		5757	3932
5.163		1970	1279
5.204		20852	22914
5.247		1491	962
5.278		17493	17239
5.321		21385	19706
5.382		2382	1624
5,428		2460	2116
5,533		2943	3084
5.608		2054	2933
5.685	,	19308	20156
5.73	•	2872	2845
5.783		3586	2231
5.807		25726	22384
5.907		2396	3474
5.988		3673	5568
6.052		1356	3540
6.117		1039	2882
6.176		48547	49223
6.24		41255	34425
6.416		2710	6481
6.479		7183	7085
6.548		1354	1225
6.589		1370	1902
6.619		43285	45338
6.694		869 -	2434
6.766	DCB .	3584527	3892709

Sample Number: AR2131624A

AAAR213AA ICAL 1611599999 10736

SW-846 8082

Injected On: 4/25/2016 9:02:06 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1  $30m \times 0.32mm \times 0.5um$  Column B ID: ZB Multiresidue-2  $30m \times 0.32mm \times 0.25um$ 

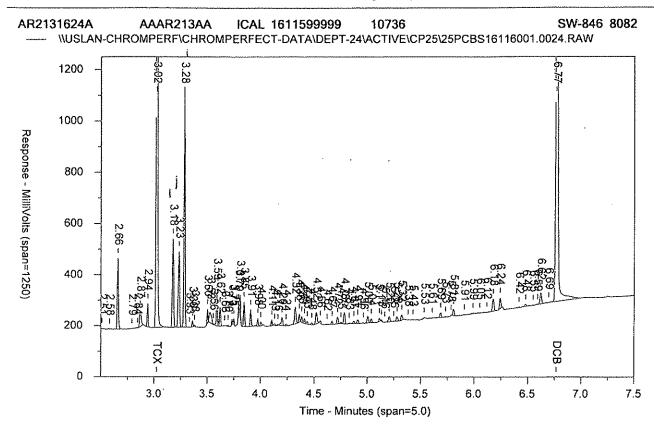
Data File: 25PCBS16116001B.0024.RAW

Method File: 25PCBSB.MET

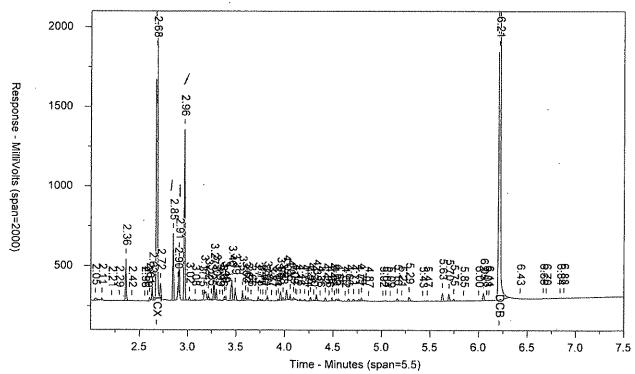
Calibration File: 25PCBS1611601B.CAL

RTB	Compound B	Height B	Area B
2.047	Compound B	14679	25879
2.113		14681	9569
2.214		1391	1761
2.292		2563	2524
2.361	•	264636	169797
2.421		1445	2223
2.556		1585	3281
2.587		4467	3001
2.607		22981	16369
2.635		85867	50906
2.68	TCX	9757337	5523634
2.721	· OX	91350	70412
2.851-		420730	263262
2.899		61188	26955
2.912-		245126	123750
2.965~		1078078	628333
3.016		22835	13518
3.077		8011	6845
3,154		2865	1324
3.173		67595	96019
3.216		40214	27110
3.247		9406	5435
3.273		140237	79841
3.297		69580	43030
3.334		6943	4313
3.362		4310	1974
3.38		23573	11973
3.396		27015	13681
3.457		128317	126255
3.491		78139	59789
3.567		64858	38682
3.601		29876	17368
3.625		18237	10085
3.657		5143	4799
3.73		26251	16427
3.753		9500	5127
3,775		7604	4938
3.807		3819	2010
3.823		32348	19442
3.866		5555	4538
3,914		2152	1419
3.936		11730	6877
3.958		56777	35189
3.983		18721	10874
4.02		64770	57535
4.057		35432	22963
4.092		16735	11607
4.092		6280	2663
4.124		5218	2532
4.124		11744	11574
4.139		11751	8947
4,203		2678	1897
4.243		23865	17088
4.204		6436	4377
4.281		0430	4311

RT B	Compound B	Height B	Area B
4,326	COMPOUND D	41120	30553
4.364	•	3442	2912
4.419	-	21007	18638
4.456		2661	2241
4.488		21826	15781
4.513		3060	1548
4.533		12093	7784
4.556		12880	8431
4.623		1431	1454
4.658		13699	13330
4.712		13354	10184
4.765		11732	10197
4.792		19967	16832
4.865		1583	1375
5.015		3196	229D
5.043		5042	3883
5.089		2263	2323
5.163		14834	12243
5.209		3872	3535
5,285		25414	26066
5.425		1971	1358
5.472		3619	3317
5.628		50644	45594
5.695		44928	39151
5.745		11494	9340
5.847		1912	1598
6		1536	1831
6.049		47519	41234
6.082		1611	1026
6.105		1449	1128
6.21	DCB	5221166	4754918
6.425		1174	1308
6.663		4056	355 <del>9</del>
6.695		1742	1307
6.838	•	849	2186
6.877		947	972







#### Chrom Perfect Chromatogram Report

# LANCASTER LABORATORIES

Sample Number: AR2131624A

AAAR213AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 9:02:06 PM

Sample Weight: 1
Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.024	7566391	41.856	TCX	2,68	9757337	44.31	TCX
6.766	3584527	40.082	DCB	6.21	5221166	39.95	DCB

Files:

Area File: 25PCBS16116001.0024.RAW Area File: 25PCBS16116001B.0024.RAW

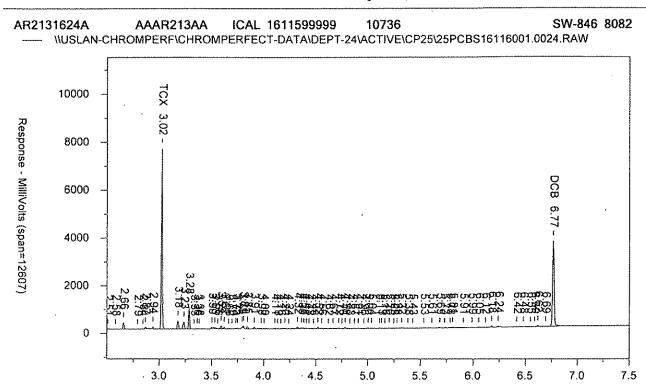
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

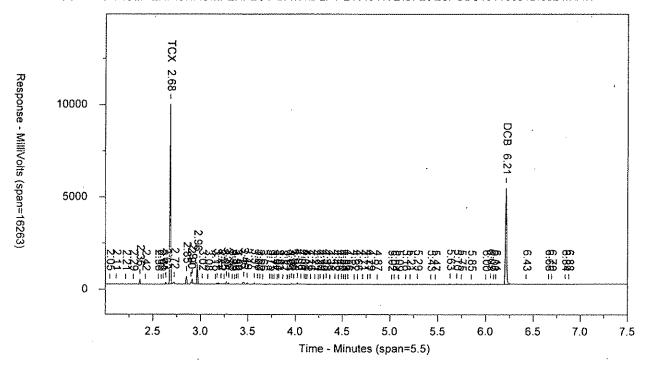
Area File Created On: 4/25/2016 9:10:37 PM File Reported On: 4/25/2016 at 9:10:43 PM

Printed on 4/25/2016 9:10:44 PM



## \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0024.RAW

Time - Minutes (span=5.0)



Sample Number: AR3231624A

AAAR323AA ICAL 1611599999 1

10736

SW-846 8082

Injected On: 4/25/2016 9:13:55 PM

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280.@ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0025.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

00/10/20	<b>3</b> ,, , ,, <b>,</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,		
RTA	Compound A	Height A	Area A
2.049		10477	12765
2.173		10155	18940
2.221		1770	4400
2.284		2805	2089
2.308		44022	33481
2.397		196380	135157
2.42		12476	6670
2.463		2234	2416
2.509		6839	5555
2.581		1914	2225
2.658		172028	125723
2.727		1353	913
2.79		1131	2077
2,867		21903	27191
2.918		4415	2568
2.94		54081	35141
3.024	TCX	7280760	5094644
3.178	•	241012	207044
3.235		246078	228493
3.285-	•	788711	547384
3,331		1614	1209
3.361		22187	12956
3.38		43575	27200
3.417		2027	1725
3.504~		320770	201117
3.521		166194	91185
3.559		43371	23420
3.576		11456	4653
3.592		93388	56720
3.623		402247	302137
3.661		4507 16246	6430
3.699		95774	10531 58234
3.735 3.751		55881	29181
3.798	i i	225984	120983
3.808		420829	217125
3.847		446463	365976
3.91	•	386844	309071
3.951		31387	21500
3.977		231632	174297
4.005		194380	161363
4.028		65285	37275
4.106		269036	203870
4.132		104759	71039
4.163		122450	89555
4.201		293707	308706
4.242		102062	85570
4,289		24427	19357
4.326		78706	79550
4.364		192494	136546
4,385		246088	165258
4.409		291582	222328
4.435		7447	4894
4.473		23316	27233
,, 🗸		_50.5	

Printed on 4/25/2016 9:22:31 PM

			***************************************
RT A	Compound A	Height A	Area A
4.519		227912	188259
4.542		129214	110832
4.601		2997	1738
4.625		10980	11867
4,668		46256	40726
4.721		68961	61988
4,754		41290	30555
4.784		106606	94263
4.83		4369	3681
4.872		61341	54439
4.911		12513	14320
4.963		11101	9342
5.005		74799	72481
5.037		12023	9685
5.089		5873	5153
5.114		13631	17758
5.165		2302	1857
5.208		77362	76806
5.252		1093	825
5.279		1569 <del>6</del>	16350
5.323		20440	30846
5.385		5106	4002
5.429		3557	3546
5.469		2442	3094
5.549		8200	18693
5.608		4224	6444
5.688		18575	24483
5.73		3686	3383
5.787		8455	6140
5.808		22445	18655
5,996		8239	14758
6.047		2604	5071
6.09		1448	899
6.179		47980	49750
6.244		45664	58724
6.371		722	2105
6,425		3223	3357
6.469		1303	1591
6.52		2398	3097
6.557		1085	1203
6.596		1682	2206
6.624		43017	44311
6.772	DCB	3427661	3822093

Sample Number: AR3231624A

AAAR323AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 9:13:55 PM Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Data File: 25PCBS16116001B.0025.RAW

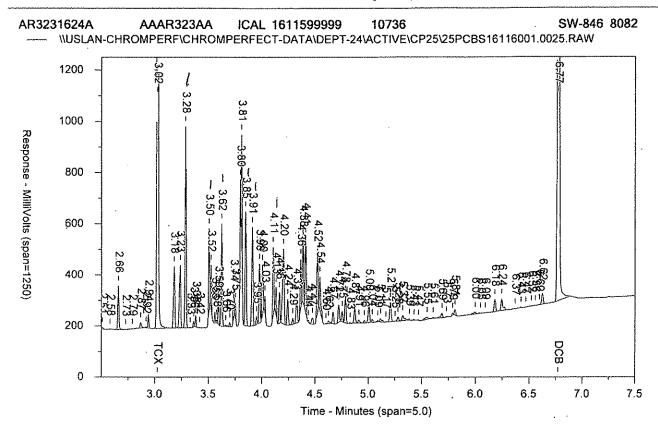
Method File: 25PCBSB.MET

Calibration File: 25PCBS1611601B.CAL

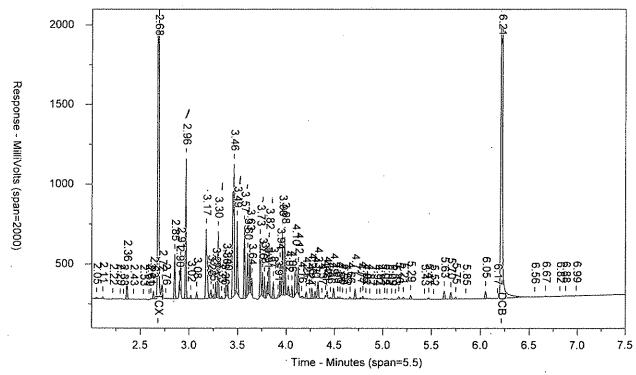
RT B	Compound B	Height B	Area B
2.05		6668	12302
2,114		14987	10568
2.215		·5273	3863
2.294		3145	3479
2.326		1430	1138
2.36		155170	99803
2.428		2563	2622
2.53		1162	1079
2.588		3769	2749
2.607		6689	3897
2.634		49238	29402
2.679	TCX	9885957	5513833
2.722		72454	53491
2.759		1394	3229
2.85		281068	179728
2.899		64903	29583
2.911		183525	88193
2.964~		880944	518129
3.016		21908	12487
3.077		43811	26723
3.173		438086	428634
3.225		54697	41062
3.247		25787	14791
3.273		101191	56607
3.297~		419751	271199
3.334		16388	9464
3.362		3342	1430
3,38		116466	61479
3.396		76874	37158
3.457		827974	848601
3.492 -		450093	292154
3.567		455489	276924
3.602		266777	160722
3.626		306704	173041
3.644		104694	54399
3.731-		359115	234434
3.755		147786	79752
3.776		133462	78290
3.807		79750	40441
3.824~		325530	193371
3.866		107131	78043
3.915		20552	13527
3.937		210774	130163
3.959		411115	255200
3.985		366699	227119
4.021		61803	41152
4.059		73786	56013
4.096		225121	157595
4.125		167055	99537
4.16		11510	15176
4.207		43260	32662
4.242		2309	1178
4.265		67374	49369
4.299		43667	29681

			***************************************
RT B	Compound B	Height B	Area B
4.327		104438	78217
4.368		3553	3206
4.406		10933	6004
4.422		36883	24206
4.457	•	10894	8065
4.49		67881	52927
4.534		12293	8183
4.558		11624	7422
4.585		5966	4559
4.622		2479	2529
4.662		14137	13500
4.713		67132	58719
4.768		9975	6508
4.793		17128	13375
4.824		3345	3144
4.865		2624	1994
4.938		1927	2541
4.967		1515	1952
5.019		6367	5087
5.043		4035	3446
5.091		3558	3648
5.129		1603	1235
5.164		16161	13122
5.211		11438	12054
5.287		24592	25181
5.428		2885	2698
5.472		8541	8984
5,523		1451	2330
5.629		50655	44101
5.697		43859	39047
5.746		11533	10521
5.85		3095	2822
6.051		46976	40290
6.173		1082	912
6.212	DCB	5493466	4900972
6.557		1079	865
6.67		5400	9041
6.817		888	452
6.876		1118	1654
6.989		1035	1815

Printed on 4/25/2016 9:22:31 PM







Sample Number: AR3231624A

AAAR323AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 9:13:55 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	Compound B
3.024	7280760	40.275	TCX	2.679	9885957	44.894	TCX
6.772	3427661	38.328	DCB	6.212	5493466	42.034	DC8

Files:

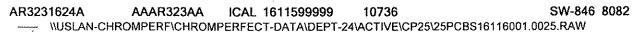
Area File: 25PCBS16116001.0025.RAW Area File: 25PCBS16116001B.0025.RAW

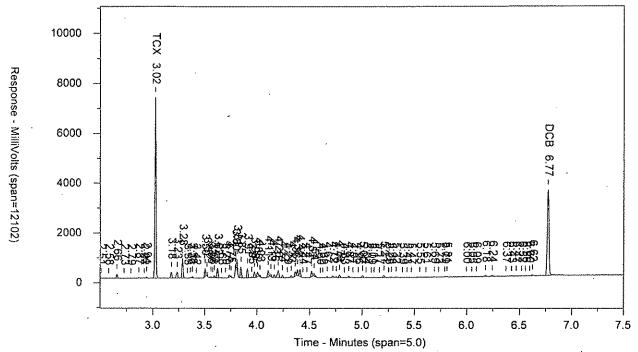
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

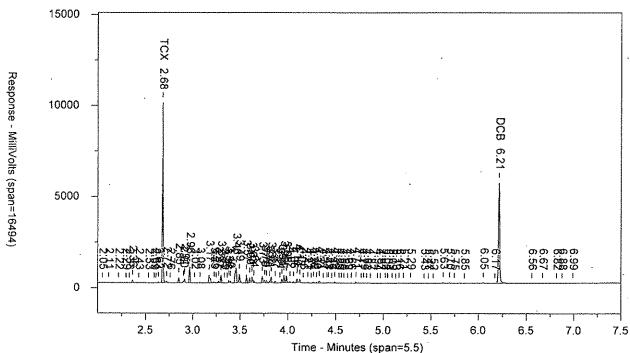
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 9:22:25 PM File Reported On: 4/25/2016 at 9:22:31 PM





## -- \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0025.R\u00e9W



Sample Number: AR4231624A Injected On: 4/25/2016 9:25:19 PM AAAR423AA

ICAL 1611599999

10736

SW-846 8082

Injection Volume: 1 ul

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column 8 ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0026.RAW

Method File: 25PCBS.MET

Instrument ID: CP25-18274

Calibration File: 25PCBS1611601.CAL

RTA	Compound A	Height A	Area A
2.048		7179	9430
2.115		1651	3374
2.172		13316	22813
2.283		2322	1447
2.307		38956	27589
2.396		19015	12055
2.419		13860	9003
2.464		2192	3006
2.508		4532	3650
2.58		2258	2788
2.657		8515	8461
2.795		882	1515
2.866		41423	48689
2.916		2956	1993
2.942		2369	1837
3.022	TCX	6483603	4432144
3.175		88929	76658
3.231		139509	149799
3.282~	•	495051	348008
3.358		19538	10751
3.377		69156	44264
3.416		1903	1259
3.462		1453	816
3.5-	•	524744	311777
3.517		241681	139667
3.555		68287	41569
3.571		21572	9404
3.588		52356	30501
3.618~		611860	455415
3.655		6385	8979
3.693		24951	15989
3.73		196317	229626
3.803		1148442	1449621
3.842~		676371	555059
3.905 ~		598184	485140
3.945		55671	38503
3.972		408348	301574
3.999		320523	271592
4.023		107224	63857
4.101~		475119	351110
4.127		167117	114991
4.158		200401	148186
4.195		483484	522491
4.237		168399	140105
4.283		37306	29671
4.323		94936	92421
4.358		359251	252477
4.38		437185	288094
4,404		519583	392905
4.431		6828	3814
4.468		41420	50065
4.400		409909	333177
4.514		220296	203319
4.594		6553	4694
4.094		ახება	4094

	O7. 4	<u></u>		4 -
	RTA	Compound A	Height A	Area A
	4.619		21140	17230
	4.662		92521	86062
	4.716		136685	125507
	4.749		84420	65381
	4.779		204595	187773
•	4.825		1920	1153
	4.867		107486	101601
	4.906		8589	6140
	4.957		27716	24125
	4.999		161370	155359
	5.032		12255	9576
	5.083	•	15520	15517
	5.109		13560	9437
	5.128		9870	6130
	5.203		165343	157505
	5.246		5060	3665
	5.272		16846	17413
	5.319		42740	37251
	5,421		851	682
	5.471		2192	3244
	5.528		19474	22299
	5.683		17617	20449
	5.727		11034	9732
	5.754		1892	1333
	5.805		24774	27992
	5.902		1313	2424
	5.99		4669	8392
	6.092		1266	4211
	6,174		45964	46552
	6.239		35006	32161
	6.354		1067	1377
	6.477		7384	7836
	6.518		1722	1484
	6.549		1268	1079
	6.589		1592	1213
	6.619		37625	39425
	6.766	DCB	3111458	3350944

10736

#### LANCASTER LABORATORIES

Sample Number: AR4231624A

AAAR423AA ICAL 1611599999

SW-846 8082

Injected On: 4/25/2016 9:25:19 PM Instrument ID: CP25-18274

Injection Volume: 1 ul

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Data File: 25PCBS16116001B.0026.RAW

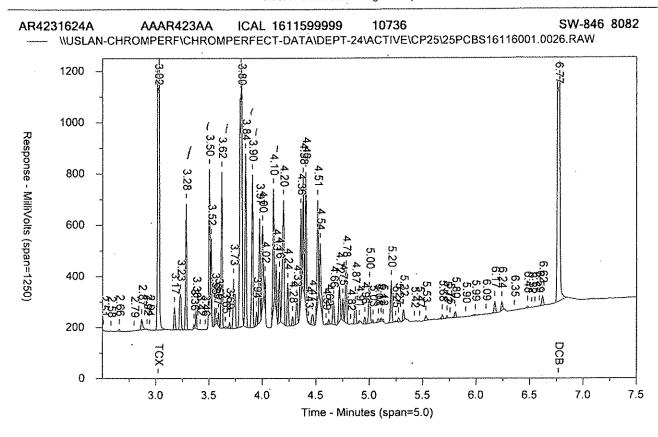
Method File: 25PCBS8.MET

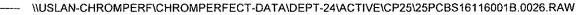
Calibration File: 25PCBS1611601B.CAL

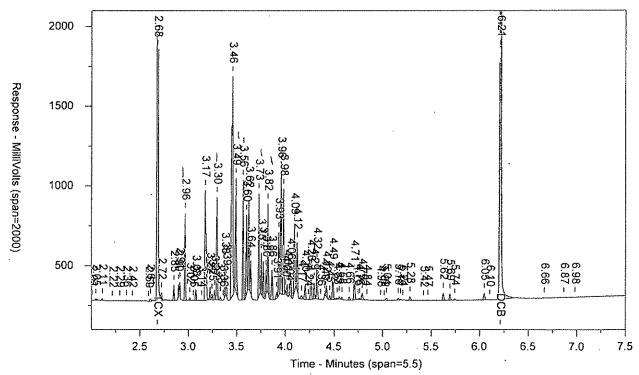
22.0	O B	14-1-64 (5)	A (7)
2.012	Compound B	Height B 2167	Area B 1333
2.047		9100	15517
2.113		12276	8610 1059
2.216		1121	
2.292		2641	3635
2.36		5416	3514
2.421		1691	2151
2.59		2818	1814
2.607	TOV	16718	19504
2.679	TCX	8213208	4745654
2.722		36733 96744	23051 61325
2.85			
2.898		72242	33603
2.912		82811	38174
2.964		547048	321493
3.016		19848 1866	11812 920
3.051			
3.076		69028 1269	41689 657
3.135		692352	652156
3,172		81261	49188
3.225		37888	20715
3.246 3.272		62659	33900
3.296~		643563	429798
3.332		23653	12927
3.361		25033	1066
3.378		184406	96008
3.394		108857	52762
3.455		1379266	1368545
3.49~		708672	455587
3,565		752655	449530
3,599		500403	286493
3.623		557556	311249
3.641		206552	102537
3.727		644805	415810
3.751		258439	138038
3.772		226524	132187
3.803	•	145171	76250
3.82-		559268	339250
3,863		185268	138760
3.912		39045	26927
3.933		394870	240630
3.956		769168	475105
3.981		661948	409817
4.001		27905	12269
4.018		70358	42880
4.041		7428	3237
4.055		147718	89904
4.092		405706	292536
4.121		300467	176583
4.168		22534	23645
4.204		91916	70649
4.237		2365	1380
4.261		159546	119972

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F	RTB	Compound B	Height B	Area B
4	.295		100940	67229
4	.323		231153	166129
4	.361		3756	3954
4	.403		18152	10013
4	419		68942	46843
4	453		25883	18205
4	.487		171168	129134
4	.531		10304	6503
4	.554		17701	10900
4	.582		15133	11783
4	.656		21301	20617
4	.709		158689	122479
4	.748		1772	870
4	.763		7749	4603
	4.79		42878	39409
4	.837		5261	3680
4	.978		2958	3104
5	.015		1685	1216
5	.038		16055	12975
5	.161		13821	10837
5	.185		7887	5404
5	.208		1942	964
5	.283		24277	23959
5	,422	•	1269	1291
5	.466		3988	4508
5	.625		47733	39570
5	.693		42501	36467
5	.743		10463	9885
6	.048		41073	37846
6	.104		1139	991
6	.209	DCB	4710100	4260522
-	.664	•	4371	8418
6	.865		1094	4390
6	.981		1157	1448







Sample Number: AR4231624A

AAAR423AA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 9:25:19 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.022	6483603	35.866	TCX	2.679	8213208	37.298	TCX
6.766	3111458	34,792	DCB	6,209	4710100	36,04	DCB

Files:

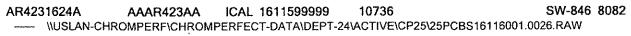
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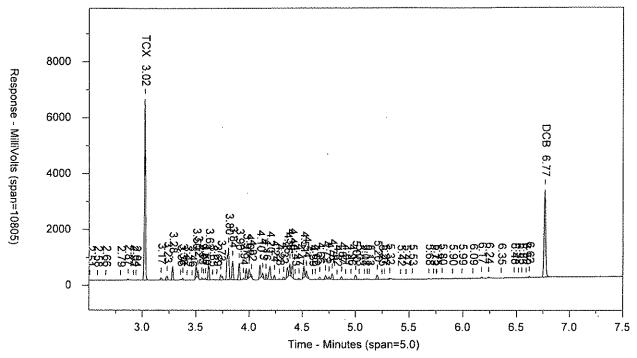
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

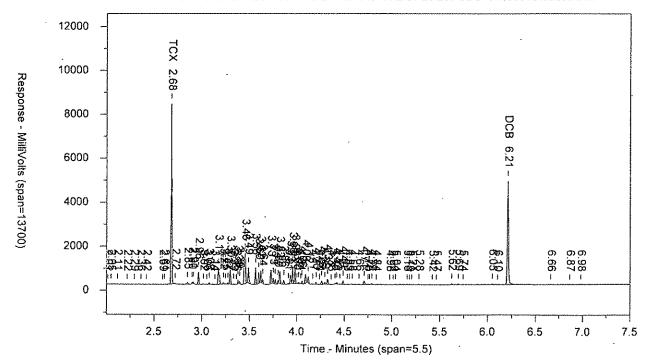
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 9:33:48 PM File Reported On: 4/25/2016 at 9:33:53 PM





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Sample Number: AR16XX1624A

AAAR16XAA ICAL 1611599999

10736

Injection Volume: 1 ul

Analyst: 2855

SW-846 8082

Injected On: 4/25/2016 9:37:02 PM

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0027.RAW

Method File: 25PCBS.MET

			714
RTA	Compound A	Height A	Area A
2.048		13591	17096
2.095		6179	11825
2.173		11391	24616
2.225		1934	1444
2.308		48592	35141
2.397		44250	29078
2.42		17813	11135
2.467		2366	3001
2.51		7729	5878
2.583		2389	3090
2.659		11128	10238
2.799		1616	1839
2.819		2419	1940
2.846		1400	773
2.865		9058	8523
2.914		5411	4904
2.942		4334	5919
3.023	TCX	7818285	5438315
3.11		2737	1531
3.176		118943	103930
3.234		181820	193365
3.284	Ē	695087	477678
3.36		22841	12491
3.379		93822	62077
3.417		2395	1734
3.502		706184	434456
3.52		354034	190954
3.557		96346	56940
3.574 3.591		29161	12698
3.621		69525 858383	42135
3,658		5918	636575 3564
3.675		3933	2424
3.697		32514	20949
3.733		199042	121172
3.749		111703	57546
3.794		550544	287339
3.806		846907	448645
3.844		967277	778569
3.908		841197	682375
3.948		75516	52957
3.974		570560	415880
4.002		449507	381734
4.026		156420	88833
4.104		653587	485615
4.13		230303	159406
4.161		273740	202873
4.198		645445	695719
4.24		220413	189142
4.286		37645	30264
4.325		93760	93131
4.362		249868	183705
4.383		222230	153032
4.407		97444	70810

'RT A	Compound A	Height A	Area A
4.435		12144	10040
4.474		9722	11143
4.516		67872	58888
4.539		13717	10517
4.638		3262	5252
4.663		2707	2339
4.719		5873	5276
4.748		2136	1363
4.782		8882	24246
4.873		6341	11156
4.909		1468	1065
5		17709	40229
5.11		5586	49862
5.193		12801	16529
5.252		2489	1992
5.276	•	15419	13118
5.322		1640	1507
5.344		2742	3074
5.426		1774	2382
5.456		19180	33377
5.525		16211	33352
5,628		1844	27520
5.684		18000	19741
5.746		4350	5885
5.806		27849	28396
5.916		1149	1759
5.97		1997	2346
6.074		3327	7795
6.175		57730	63577
6.241		53489	67548
6.357		18768	46369
6.48		8076	63042
6.525		936	1312
6.546		1478	1363
6.59		1488	1560
5.62		51401	50898
6.767	DCB	4050486	4410348

Sample Number: AR16XX1624A

AAAR16XAA, ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 9:37:02 PM

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274 Analys
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 '30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

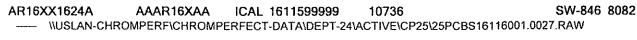
Data File: 25PCBS16116001B.0027.RAW

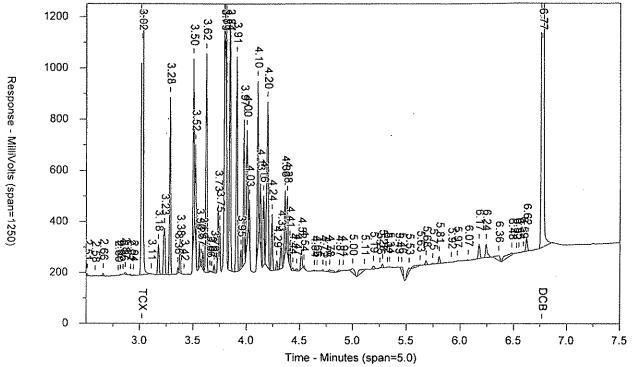
Method File: 25PCBSB.MET

RTB	Compound B	Height B	Area B
2.049		6587	11860
2.113		16178	11013
2.215		1934	1824
2.291		2495	4011
2.36		7449	4231
2.424		2233	2679
2.471		2483	2635
2.524		2558	2225
2.607		7058	20112
2.63	TOV	1846	1553
2.679	TCX	10580400	5964430
2.722 2.767		54861	34482
2.767		3646 132403	4334 84120
2.898		84862	38529
2.911		124524	56849
2.964		768965	452084
3,015		24519	14014
3.048		1072	870
3.076		98875	60488
3.172		987902	924103
3.225		115246	68596
3.246		56161	30744
3.272		86471	47602
3.296		955952	615758
3.333		31061	17807
3.361		4728	1963
3.379		298991	293370
3.457		2054018	1993635
3.491		1060537	782561
3.566		1092141	652969
3.6		674549	405990
3.624		787266	443140
3.643	,	285596	144156
3.73		929880	593624
3.752		328397	158323
3.775		316365	191525
3.804 3.822		209067 762155	106574
3.865		258124	455312 184070
3.913		32166	26773
3.935		210963	127865
3.957		436675	275922
3.983		211918	127645
4.003		24293	11069
4.019		50084	32726
4.057		15324	9261
4.094		22908	13302
4.109		19542	8691
4.123		12582	5584
4.156	•	13345	30016
4.213		5936	3625
4.239		38405	55444
4,326	•	23642	151086

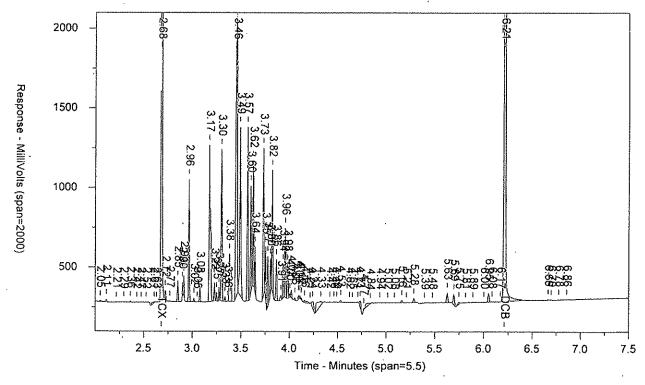
RT B         Compound B         Height B         Area B           4.42         3138         2139           4.461         3584         2536           4.489         3745         2669           4.532         14409         11830           4.622         2619         2703           4.654         1830         2711           4.71         3010         2416           4.734         39436         38616           4.772         10970         8464           4.839         5473         48468           4.937         2328         3421           5.015         1688         1470           5.083         1649         2087           5.162         15931         13803           5.209         1819         4434           5.285         25670         22972           5.393         2546         10397           5.475         2273         3109           5.627         60916         54434           5.695         66623         61712           5.745         14133         17184           5.812         1109         2842           <	OT D	C D	Hainba D	A D
4.461       3584       2536         4.489       3745       2669         4.532       14409       11830         4.622       2619       2703         4.654       1830       2711         4.71       3010       2416         4.734       39436       38616         4.772       10970       8464         4.839       5473       48468         4.937       2328       3421         5.015       1688       1470         5.083       1649       2087         5.162       15931       13803         5.209       1819       4434         5.285       25670       22972         5.393       2546       10397         5.475       2273       3109         5.627       60916       54434         5.695       66623       61712         5.745       14133       17184         5.812       1109       2842         5.889       690       1796         6.002       1778       1485         6.049       56258       46454         6.084       2024       1355 <t< td=""><td></td><td>Compouna B</td><td></td><td></td></t<>		Compouna B		
4.489       3745       2669         4.532       14409       11830         4.622       2619       2703         4.654       1830       2711         4.71       3010       2416         4.734       39436       38616         4.772       10970       8464         4.839       5473       48468         4.937       2328       3421         5.015       1688       1470         5.083       1649       2087         5.162       15931       13803         5.209       1819       4434         5.285       25670       22972         5.393       2546       10397         5.475       2273       3109         5.627       60916       54434         5.695       86623       61712         5.745       14133       17184         5.812       1109       2842         5.889       690       1796         6.049       56258       46454         6.084       2024       1355         6.171       1202       1351         6.664       5099       4616 <t< td=""><td></td><td></td><td></td><td></td></t<>				
4.532       14409       11830         4.622       2619       2703         4.654       1830       2711         4.71       3010       2416         4.734       39436       38616         4.772       10970       8464         4.839       5473       48468         4.937       2328       3421         5.015       1688       1470         5.083       1649       2087         5.162       15931       13803         5.209       1819       4434         5.285       25670       22972         5.393       2546       10397         5.475       2273       3109         5.627       60916       54434         5.695       56623       61712         5.745       14133       17184         5.812       1109       2842         5.889       690       1796         6.002       1778       1485         6.049       56258       46454         6.084       2024       1355         6.171       1202       1351         6.664       5099       4616 <t< td=""><td></td><td></td><td></td><td></td></t<>				
4.622       2619       2703         4.654       1830       2711         4.71       3010       2416         4.734       39436       38616         4.772       10970       8464         4.839       5473       48468         4.937       2328       3421         5.015       1688       1470         5.083       1649       2087         5.162       15931       13803         5.209       1819       4434         5.285       25670       22972         5.393       2546       10397         5.475       2273       3109         5.627       60916       54434         5.695       66623       61712         5.745       14133       17184         5.812       1109       2842         5.889       690       1796         6.002       1778       1485         6.049       56258       46454         6.084       2024       1355         6.071       1202       1351         6.664       5099       4616         6.696       1474       1307				-
4.654       1830       2711         4.71       3010       2416         4.734       39436       38616         4.772       10970       8464         4.839       5473       48468         4.937       2328       3421         5.015       1688       1470         5.083       1649       2087         5.162       15931       13803         5.209       1819       4434         5.285       25670       22972         5.393       2546       10397         5.475       2273       3109         5.627       60916       54434         5.695       66623       61712         5.745       14133       17184         5.812       1109       2842         5.889       690       1796         6.002       1778       1485         6.049       56258       46454         6.084       2024       1355         6.171       1202       1351         6.21       DCB       6332154       5741930         6.664       5099       4616         6.696       1474       1307     <				
4.71       3010       2416         4.734       39436       38616         4.772       10970       8464         4.839       5473       48468         4.937       2328       3421         5.015       1688       1470         5.083       1649       2087         5.162       15931       13803         5.209       1819       4434         5.285       25670       22972         5.393       2546       10397         5.475       2273       3109         5.627       60916       54434         5.695       86623       61712         5.745       14133       17184         5.812       1109       2842         5.889       690       1796         6.002       1778       1485         6.049       56258       46454         6.084       2024       1355         6.171       1202       1351         6.21       DCB       6332154       5741930         6.664       5099       4616         6.696       1474       1307         6.775       939       879 <td></td> <td></td> <td></td> <td></td>				
4.734       39436       38616         4.772       10970       8464         4.839       5473       48468         4.937       2328       3421         5.015       1688       1470         5.083       1649       2087         5.162       15931       13803         5.209       1819       4434         5.285       25670       22972         5.393       2546       10397         5.475       2273       3109         5.627       60916       54434         5.695       86623       61712         5.745       14133       17184         5.812       1109       2842         5.889       690       1796         6.002       1778       1485         6.049       56258       46454         6.084       2024       1355         6.171       1202       1351         6.21       DCB       6332154       5741930         6.664       5099       4616         6.696       1474       1307         6.775       939       879				
4.772     10970     8464       4.839     5473     48468       4.937     2328     3421       5.015     1688     1470       5.083     1649     2087       5.162     15931     13803       5.209     1819     4434       5.285     25670     22972       5.393     2546     10397       5.475     2273     3109       5.627     60916     54434       5.695     66623     61712       5.745     14133     17184       5.812     1109     2842       5.889     690     1796       6.002     1778     1485       6.049     56258     46454       6.084     2024     1355       6.171     1202     1351       6.21     DCB     6332154     5741930       6.664     5099     4616       6.696     1474     1307       6.775     939     879				
4.839       5473       48468         4.937       2328       3421         5.015       1688       1470         5.083       1649       2087         5.162       15931       13803         5.209       1819       4434         5.285       25670       22972         5.393       2546       10397         5.475       2273       3109         5.627       60916       54434         5.695       66623       61712         5.745       14133       17184         5.812       1109       2842         5.889       690       1796         6.002       1778       1485         6.049       56258       46454         6.084       2024       1355         6.171       1202       1351         6.21       DCB       6332154       5741930         6.664       5099       4616         6.696       1474       1307         6.775       939       879				
4.937     2328     3421       5.015     1688     1470       5.083     1649     2087       5.162     15931     13803       5.209     1819     4434       5.285     25670     22972       5.393     2546     10397       5.475     2273     3109       5.627     60916     54434       5.695     66623     61712       5.745     14133     17184       5.812     1109     2842       5.889     690     1796       6.002     1778     1485       6.049     56258     46454       6.084     2024     1355       6.171     1202     1351       6.21     DCB     6332154     5741930       6.664     5099     4616       6.696     1474     1307       6.775     939     879				
5.015         1688         1470           5.083         1649         2087           5.162         15931         13803           5.209         1819         4434           5.285         25670         22972           5.393         2546         10397           5.475         2273         3109           5.627         60916         54434           5.695         66623         61712           5.745         14133         17184           5.812         1109         2842           5.889         690         1796           6.002         1778         1485           6.049         56258         46454           6.084         2024         1355           6.171         1202         1351           6.21         DCB         6332154         5741930           6.664         5099         4616           6.696         1474         1307           6.775         939         879				
5.083         1649         2087           5.162         15931         13803           5.209         1819         4434           5.285         25670         22972           5.393         2546         10397           5.475         2273         3109           5.627         60916         54434           5.695         86623         61712           5.745         14133         17184           5.812         1109         2842           5.889         690         1796           6.002         1778         1485           6.049         56258         46454           6.084         2024         1355           6.171         1202         1351           6.21         DCB         6332154         5741930           6.664         5099         4616           6.696         1474         1307           6.775         939         879				
5.162       15931       13803         5.209       1819       4434         5.285       25670       22972         5.393       2546       10397         5.475       2273       3109         5.627       60916       54434         5.695       66623       61712         5.745       14133       17184         5.812       1109       2842         5.889       690       1796         6.002       1778       1485         6.049       56258       46454         6.084       2024       1355         6.171       1202       1351         6.21       DCB       6332154       5741930         6.664       5099       4616         6.696       1474       1307         6.775       939       879				
5.209     1819     4434       5.285     25670     22972       5.393     2546     10397       5.475     2273     3109       5.627     60916     54434       5.695     56623     61712       5.745     14133     17184       5.812     1109     2842       5.889     690     1796       6.002     1778     1485       6.049     56258     46454       6.084     2024     1355       6.171     1202     1351       6.21     DCB     6332154     5741930       6.664     5099     4616       6.696     1474     1307       6.775     939     879				
5.285         25670         22972           5.393         2546         10397           5.475         2273         3109           5.627         60916         54434           5.695         56623         61712           5.745         14133         17184           5.812         1109         2842           5.889         690         1796           6.002         1778         1485           6.049         56258         46454           6.084         2024         1355           6.171         1202         1351           6.21         DCB         6332154         5741930           6.664         5099         4616           6.696         1474         1307           6.775         939         879				
5.393     2546     10397       5.475     2273     3109       5.627     60916     54434       5.695     66623     61712       5.745     14133     17184       5.812     1109     2842       5.889     690     1796       6.002     1778     1485       6.049     56258     46454       6.084     2024     1355       6.171     1202     1351       6.21     DCB     6332154     5741930       6.664     5099     4616       6.696     1474     1307       6.775     939     879	5.209		1819	4434
5.475         2273         3109           5.627         60916         54434           5.695         66623         61712           5.745         14133         17184           5.812         1109         2842           5.889         690         1796           6.002         1778         1485           6.049         56258         46454           6.084         2024         1355           6.171         1202         1351           6.21         DCB         6332154         5741930           6.664         5099         4616           6.696         1474         1307           6.775         939         879	5.285		25670	22972
5.627         60916         54434           5.695         66623         61712           5.745         14133         17184           5.812         1109         2842           5.889         690         1796           6.002         1778         1485           6.049         56258         46454           6.084         2024         1355           6.171         1202         1351           6.21         DCB         6332154         5741930           6.664         5099         4616           6.696         1474         1307           6.775         939         879	5.393		2546	10397
5.695         66623         61712           5.745         14133         17184           5.812         1109         2842           5.889         690         1796           6.002         1778         1485           6.049         56258         46454           6.084         2024         1355           6.171         1202         1351           6.21         DCB         6332154         5741930           6.664         5099         4616           6.696         1474         1307           6.775         939         879	5.475		2273	3109
5.745     14133     17184       5.812     1109     2842       5.889     690     1796       6.002     1778     1485       6.049     56258     46454       6.084     2024     1355       6.171     1202     1351       6.21     DCB     6332154     5741930       6.664     5099     4616       6.696     1474     1307       6.775     939     879	5.627		60916	54434
5.812     1109     2842       5.889     690     1796       6.002     1778     1485       6.049     56258     46454       6.084     2024     1355       6.171     1202     1351       6.21     DCB     6332154     5741930       6.664     5099     4616       6.696     1474     1307       6.775     939     879	5.695		66623	61712
5.889     690     1796       6.002     1778     1485       6.049     56258     46454       6.084     2024     1355       6.171     1202     1351       6.21     DCB     6332154     5741930       6.664     5099     4616       6.696     1474     1307       6.775     939     879	5.745		14133	17184
6.002     1778     1485       6.049     56258     46454       6.084     2024     1355       6.171     1202     1351       6.21     DCB     6332154     5741930       6.664     5099     4616       6.696     1474     1307       6.775     939     879	5.812		1109	2842
6.049       56258       46454         6.084       2024       1355         6.171       1202       1351         6.21       DCB       6332154       5741930         6.664       5099       4616         6.696       1474       1307         6.775       939       879	5.889		690	1796
6.084     2024     1355       6.171     1202     1351       6.21     DCB     6332154     5741930       6.664     5099     4616       6.696     1474     1307       6.775     939     879	6.002		1778	1485
6.171     1202     1351       6.21     DCB     6332154     5741930       6.664     5099     4616       6.696     1474     1307       6.775     939     879	6.049		56258	46454
6.21     DCB     6332154     5741930       6.664     5099     4616       6.696     1474     1307       6.775     939     879	6.084		2024	1355
6.664       5099       4616         6.696       1474       1307         6.775       939       879	6.171		1202	1351
6.696 1474 1307 6.775 939 879	6.21	DCB ·	6332154	5741930
6.775 939 879	6.664		5099	4616
	6.696		1474	1307
6.857 457 2396	6,775		939	879
	6.857		457	2396

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# 



#### Chrom Perfect Chromatogram Report

## LANCASTER LABORATORIES

Sample Number: AR16XX1624A

AAAR16XAA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 9:37:02 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount 8 - PPB	Compound B
3.023	7818285	43.249	TCX	2.679	10580400	48.048	TCX
6.767	4050486	45.293	DCB	6.21	6332154	48.451	DCB

Files:

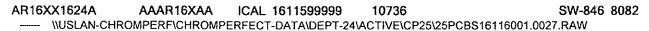
Area File: 25PCBS16116001.0027.RAW Area File: 25PCBS16116001B.0027.RAW

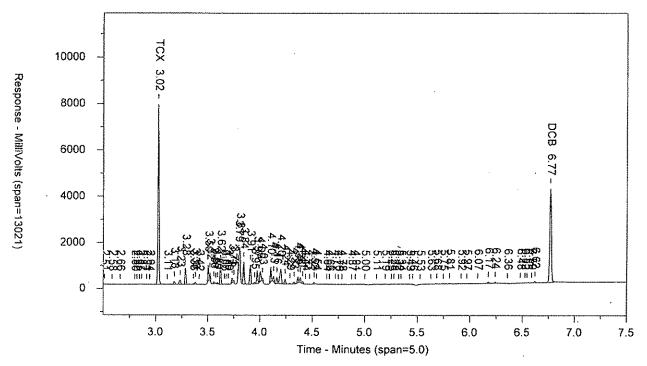
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

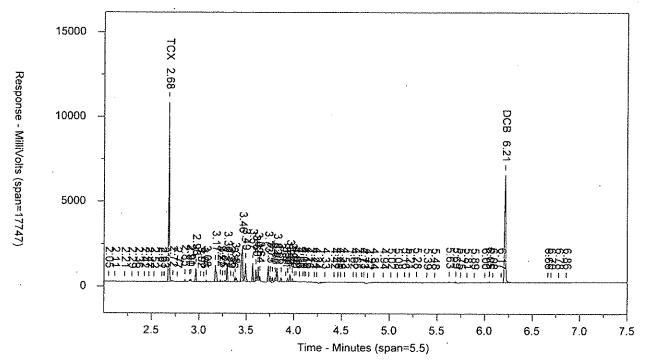
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 9:45:32 PM File Reported On: 4/25/2016 at 9:45:41 PM





# — \USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0027.RAW



Sample Number: MD16X1624A

AAMD16XAA ICAL 1611599999 1

10736

SW-846 8082

Injected On: 4/25/2016 9:48:45 PM

Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1  $30m \times 0.32mm \times 0.5um$  Column B ID: ZB Multiresidue-2  $30m \times 0.32mm \times 0.25um$ 

Date File: 25PCBS16116001.0028.RAW

Method File: 25PCBS.MET

RT A	Compound A	Height A	Area A
2.048		11085	12369
2.11		1950	2879
2.174		11794	20966
2.223		2706	5324
2,285		2358	1447
2.326		2173	1077
2.397		16890	11402
2.429		1811	1467
2.463		2813	3512
2.508		6215	4716
2.583		2583	3196
2.63		1715	1207
2.66		1722	1584
2.726		2124	1463
2.778		1868	3302
2,817		2544	1855
2.867		29191	29674
2.915		5307	4934
2.998		1576	1006
3.023	TCX	186108	133411
3.175	107	7547	9113
3.234		10217	9213
3.284		52099	36377
3.331		2280	1771
3.38		6353	5912
3,408		2235	1832
3.465		1448	1986
3.502		51014	30594
3.519		24212	12723
3.56		7709	7446
3.591		4590	2713
3.621		58909	46224
3.66		3434	3497
3.698			
3.733		1438	1003 7621
		13424	
3.749		8246	3996
3.793		35812	18375
3,806		54795	30340
3.845		66287	55343
3.908	•	54676	43108
3.95		3267	2144
3.975		40600	28324
4,003		36825	51788
4.104		. 45167	32759
4.13		16305	10468
4.161		18760	13321
4.199		43465	45801
4.238		15151	13737
4.29		4756	3885
4.324		67998	66146
4.362		44401	33232
4.383		13219	8660
4.408		9889	6642
4.435		11950	9820

		***************************************	
RT A	Compound A	Height A	Area A
4.476		6643	6805
4.521		46537	51146
4.635		4245	5871
4.666		3250	2495
4.721		5005	3344
4.735		9339	6318
4,783		32090	29522
4.829		41770	46462
4.868		10124	7127
4.908		89967	89311
. 5		18304	23880
5.058		17861	15756
5.112		107897	139184
5.162		21714	18604
5.205		54855	59353
5,285		11415	13306
5.32		127742	145686
5.382		63261	57114
5.425		42802	50867
5,547		78374	115397
5.605		37679	35507
5,645		18927	16954
5,686		2771	2046
5.728		27572	26059
5.784		151228	167258
5.99		91884	96242
6.043		28069	52648
6,176		2582	2926
6.241		2511	2200
6.264		14724	13406
6.419		35194	36403
6.478		5446	7349
6.521		1839	2439
6.619		9216	11088
6.768	DCB	107930	120133
6.87		1197	1953

Sample Number: MD16X1624A

AAMD16XAA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 9:48:45 PM

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274 Analyst: Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

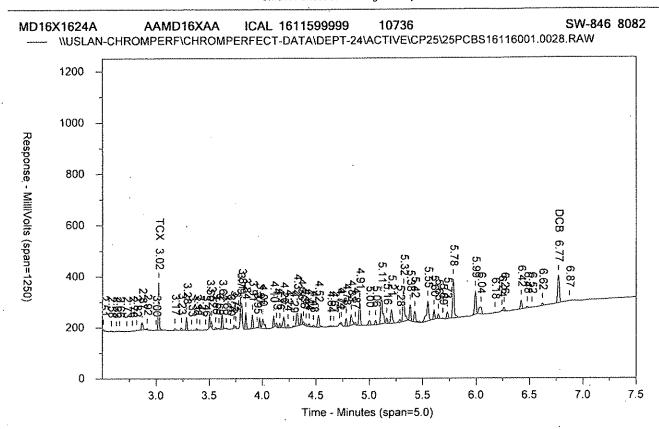
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

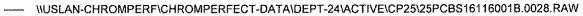
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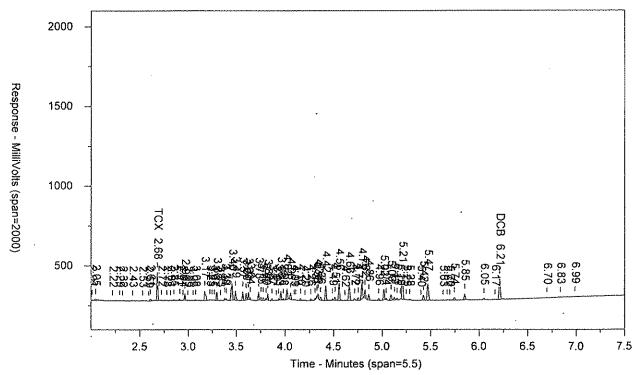
Method File: 25PCBSB.MET

RT B	Compound B	Height B	Area B
2.01		1764	983
2.047		8747	14966
2.22		2208	2521
2.293		3000	3342
2.322		1860	2622
2.425		2737	3824
2.528		1407	696
2.59		2228	1173
2.608		11538	13023
2.679	TCX	176064	104261
2.721		4600	3556
2.777		2494	4605
2.815		1682	1692
2.85		6511	4015
2.912		9374	7412
2.944		1282	800
2.964		42839	24661
2.995		1525	1762
3.049		1847	1266
3.076		5296	4048
3.172		60529	56965
3.225		4902	2633
3.247		3685	2087
3.272		4699	2568
3.297		52093	33670
3.333		3558	3023
3.38		13933	7402
3.395		9945	4567
3.456		104362	104903
3.491		58433	44666
3.566		55581	34690
3.601		42036	24193
3.625		44790	24270
3.643		14328	7796
3.73		52315	33239
3.753		20468	10966
3.775		19957	12852
3.804		11699	5936
3.822		41295	23999
3.865		12571	8478
3.91		1970	2333
3,935		10322	6087
3.957		56550	35451
3.983		10026	5805
4.019		67455	52996
4.057		43034	29269
4.094		1669	1129
4.109		2690	2521
4.158	•	12601	10791
4.204		3111	2572
4.264		9586	6934
4.308		11016	6101
4.326		10699	5076
4.339		27317	14797

RTB	Compound B	Height B	Area B
4.364		18355	18466
4.418		93103	70037
4.489		10529	7093
4.514		21068	15019
4.556		107757	87669
4.617		2245	2022
4.661		87586	82385
4.716		10107	8583
4.753		17891	14470
4.791		104678	88812
4.823		51960	36378
4.862		36220	29001
4.963		11945	12832
5.016		65533	53190
5.04		9261	6077
5.091		35159	32244
5.127		18287	13578
5.154		12138	10046
5.188		5018	2683
5.209		146677	122186
5.249		2642	1736
5.285		5924	7062
5.399		1917	1099
5.425		31362	25589
5.471		101263	113170
5.627		2948	2784
5.67		2755	2322
5.696		2731	2707
5.743		16802	16411
5.848		37309	30825
6.05		9687	8385
6.166		788	691
6.21	DCB	130143	119728
6.697		2041	3973
6.834		1057	13141
6.985		1375	1665







# Chrom Perfect Chromatogram Report

### LANCASTER LABORATORIES

Sample Number: MD16X1624A

AAMD16XAA ICAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 9:48:45 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.023	186108	1.03	TCX	2.679	176064	8.	TCX
6,768	107930	1,207	DCB	6.21	130143	.996	DCB

Files:

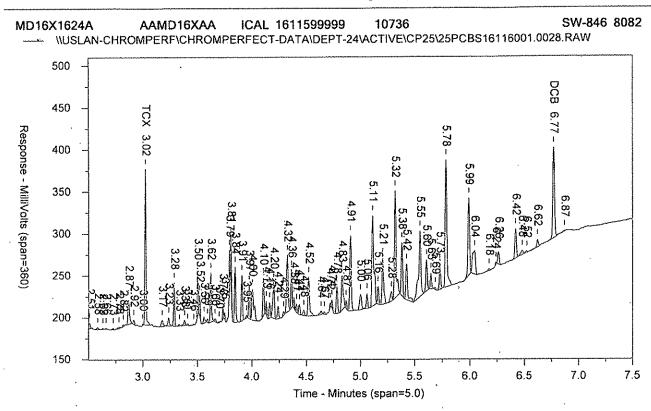
Area File: 25PCBS16116001.0028.RAW Area File: 25PCBS16116001B.0028.RAW

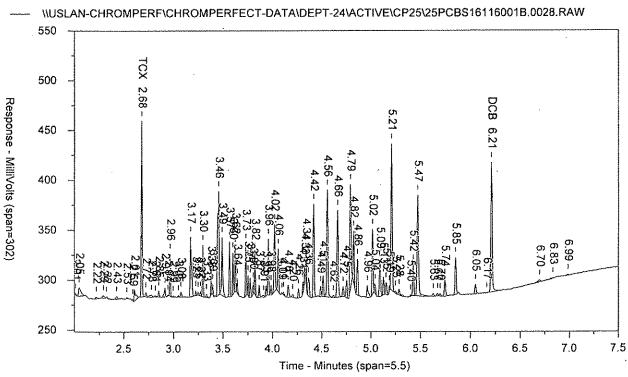
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 9:57:16 PM File Reported On: 4/25/2016 at 9:57:25 PM





Sample Number: IC16X1624A Injected On: 4/25/2016 10:00:28 PM

AAIC16XAA

CCAL 1611599999

10736

SW-846 8082

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274 Analys
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0029.RAW

Method File: 25PCBS.MET

Combian	01. 1 110. 201 00	0,01,100,.0	7 11.
RT A	Compound A	Height A	Area A
2.049		16046	18860
2.117		1355	2112
2.173		11162	20327
2.282		2222	1971
2.308		41858	30202
2.397		26867	17676
2.42		15304	9621
2.463		2192	2594
2,509		10258	8532
2.578		2064	2294
2.659		9652	7570
2,797		979	2621
2,842		989	2175
2.868		34622	37239
2.918		8238	6552
2.943	TOV	2303	1442
3.023	TCX	7018201	4794054
3.176		109633	98676
3.233		167110	176778
3.283		648286	461970
3.36		18681	10288
3.379		93582	61377
3,418		2645	1559
3.464		790	980
3.502		718838	435884
3.519		363394	194726
3.557		92367	57051
3.574		28819	13030
3,59`		66300	38789
3.621		841028	634541
3.657		7819	10317
3.695		33699	21761
3.733	•	268860	316427
3.805		1615229	2037611
3.844		951344	765030
3.907		826097	675575
3,948		73829	52193
3.974		559797	423733
4.002		514590	724749
4.104		611979	468404
4.129		220394	150824
4.161		247386	182060
4.197		514099	565798
4.239		166757	137289
4.286		22468	18866
4.324	,	75323	73709
4.361		506094	401166
4.383		77426	47262
4.408		104909	78469
4.434		9903	7242
		9903	
4.475			82480
4.52		582093	542901
4,556		8133	4413
4,636		5297	7478

RTA	Compound A	Height A	Area A
4.665	······································	39660	36602
4.72		45879	33044
4.735		156614	111377
4.782		360118	330389
4.829		598368	692347
4.867		144380	109222
4.907		1243567	1211623
5		188464	222379
5.034		15265	10294
5.059		250728	230014
5.112		1436164	1848530
5.162		310091	281131
5.205		768067	873916
5.284		163643	191665
5.32		1676810	1902288
5.383		913284	815318
5.425		582341	556978
5.523		63132	60091
5.547		919251	856751
5.605		530196	494065
5.645		275531	239405
5.686		74632	66128
5.729		371691	363346
5,785		2308029	2496599
5.991		1300001	1383240
6.043		401204	759306
6.145		1124	1048
6.177		92005	93647
6.24		56907	46257
6.264		250357	216514
6.419		576441	585124
6.464		35861	37095
6.517		2402	2094
6,621		234303	240399
6.718		1251	1527
6.768	DCB	3539980	3897184

Printed on 4/25/2016 10:09:05 PM

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

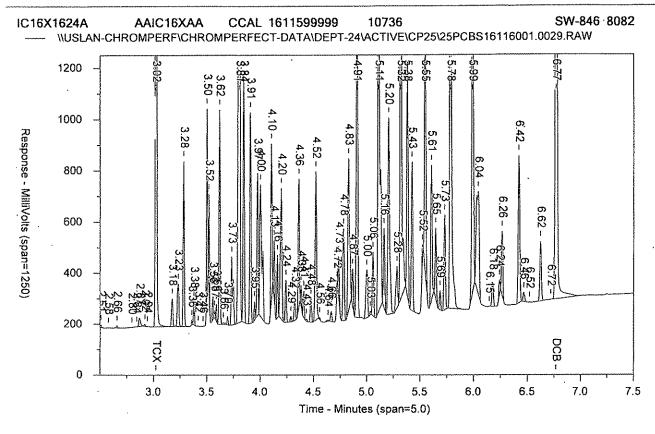
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Data File: 25PCBS16116001B.0029.RAW

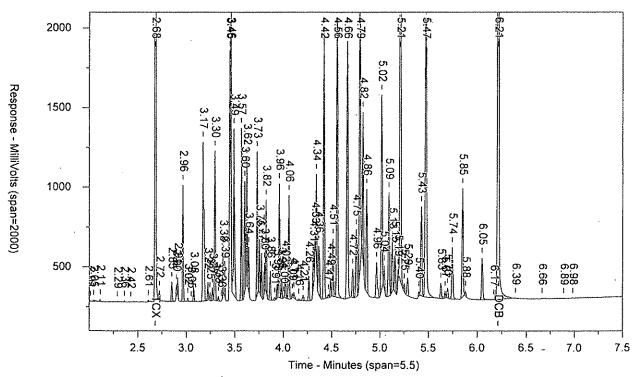
Method File: 25PC8SB.MET

RTB	Compound B	Height B	Area B
2.012		2210	1149
2.046		8451	13153
2.113		14103	9681
2.288		2859	4904
2.361		6683	4532
2.425		1745	1851
2.607		12095	7669
2.679	TCX	8891644	5181727
2.722		54102	34002
2.85		122289	78870
2.898		70155	32000
2.911		114948	53894
2.964		731046	432695
3.015		21611	12563
3.049		1446	867
3.076		95898	59840
3.172		1003410	919867
3,224		115647	68268
3.246		51870	29024
3.272		82295	44445
3.296		938771	609707
3.333		31438	17504
3.361		3535	1486
3.379		260875	136293
3.395		150798	74562
3.446		699146	311538
3.456	-	1230666	517061
3,49		1048311	769494
3.566		1083731	643302
3.6		702462	422662
3.624		803258	441766
3.643		276591	142299
3.73		905936	573435
3.753		334867	181520
3.774		277224	163603
3.804		184237	95112
3.821		578059	344603
3.865		183168	125266
3.913		17158	15136
3.935		89321	52215
3.957		715970	462776
3.982		103558	61172
4.003		8743	3614
4.02		142668	94126
4.057		654166	464200
4.093		24993	15368
4.109		33244	25717
4.159		11478	11627
4.205		35118	30431
4.263		156952	109688
4.308		201345	118785
4.325		90768	51700
4.338	•	554705	318167
4.364	•	300597	304007

			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
RTB	Compound B	Height B	Area B
4.418		1669865	1241692
4.466		23075	15227
4.488		117009	76853
4.512		359985	261646
4.556		1923228	1497828
4.661		1616144	1469569
4.716		181068	143530
4.754		423261	351836
4.791		1911289	1548080
4.823		930573	668799
4.862		646783	510308
4.964		225592	224535
5.016		1224144	998582
5.041		141539	90022
5.091		649026	580069
5.127		312913	242391
5.155		227018	190594
5,188		71390	38695
5.209		2873068	2307040
5.251		51541	35270
5.285		110265	91895
5.401		28362	18295
5.425		559536	477267
5.471		1950597	2031572
5.627		98241	84312
5.669		43821	32129
5.695		60060	46347
5.744		325101	283532
5.849		682631	572189
5.879		32244	22457
6.049		262068	243455
6.17		1272	986
6.211	DCB	5514242	4826699
6.389		2774	2156
6.663		3800	3836
6.888		992	1876
6.984		1013	1810







Sample Number: IC16X1624A

AAIC16XAA CCAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 10:00:28 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um

Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	Compound B
3,023	7018201	38.823	TCX	2.679	8891644	40.379	TCX
6.768	3539980	39,584	DCB	6.211	5514242	42.193	DCB

Files:

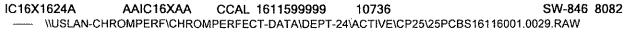
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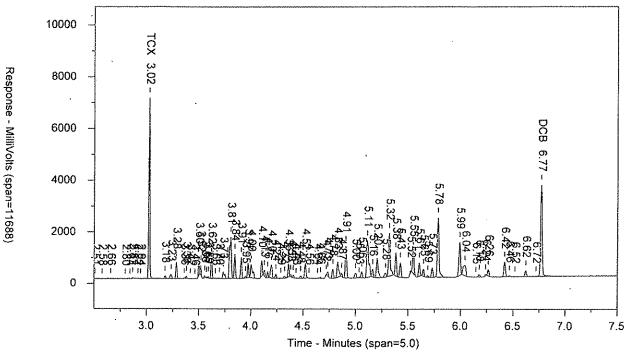
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

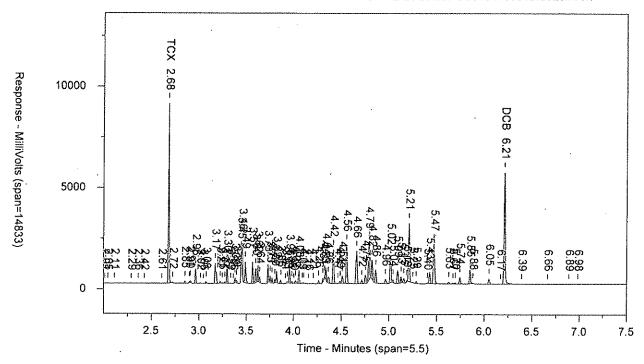
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 10:08:58 PM File Reported On: 4/25/2016 at 10:09:05 PM





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Sample Number: IC48X1624A

AAIC48XAA

CCAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 10:12:10 PM

D. ODOE 10074

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0030.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

	_		
RTA	Compound A	Height A	Area A
2.048		11291	14003
2.11		1543	2621
2.173		11789	21128
2.286		2327	2027
2.308		41905	31763
2,397		21386	13602
2.421		15821	10372
2.462		2430	3168
2.511		6656	5970
2.584		2259	2888
2.66		3127	5003
2.782		1231	3321
2.82		1883	1367
2.867		30317	32753
2.918		4931	3804
3.023	TCX	6993556	4842056
3.177		12534	12465
3.227		117645	91595
3.284		101749	71338
3.333		1047	888
3.36	•	21441	12371
3.379		23482	14718
3.502		337656	210743
3.52		102251	56658
3.557		32682	24394
3.592		7859	4728
		7659 328878	4720 246218
3.622			
3.661		2691	2028
3.696		6161	3920
3.733		73694	43928
3.748		19392	9199
3.794		362572	185584
3.806		351725	185857
3.844		389431	320994
3.907		442828	366876
3.948		71172	51096
3.975		769672	569876
4.003		522743	431429
4.026		188315	110430
4.105		838333	655121
4.13		271204	184287
4.161		330760	252491
4.198		747285	739346
4.24		264557	221367
4.287		37876	30520
4.325		123362	126664
4.362		680570	490501
4.383		864619	570573
4.407		935784	716764
4.476		95712	90327
4.517		844286	721966
4.54		327704	357661
4.598		17705	12092
4.622		53907	49520
7.022		00001	73040

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RT A	Compound A	Height A	Area A
4.666		252657	224200
4.719		375479	332545
4.752		227625	172289
4.782		593260	538022
4.829		7787	4972
4.871		. 244971	229684
4.909		48319	63714
4.96	•	65567	60469
5.002		422431	415908
5.035		8089	5292
5.059		4901	2895
5.086		38645	35690
5.113		34243	23939
5.131		32592	22888
5.206		461341	438664
5,247		13285	10194
5,275		21736	24659
5.321		125241	191255
5.425		2563	2103
5.464		4104	6600
5.531		51124	68433
5.606		4159	3883
5.665		7567	8667
5.686		7365	5029
5.729		28077	24525
5.755		4565	3040
5.785	,	9884	7741
5.807		17188	13680
5.965		- 8967	10875
5.991		7299	5476
6.048		2184	4983
6.177		45034	47195
6.243		50250	65195
6.416		3261	4460
6.479		4400	3966
6.516		9329	12446
6.548		1437	954
6.622		43467	47273
6.769	DCB	3611479	3917910

Sample Number: IC48X1624A

AAIC48XAA CCAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 10:12:10 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

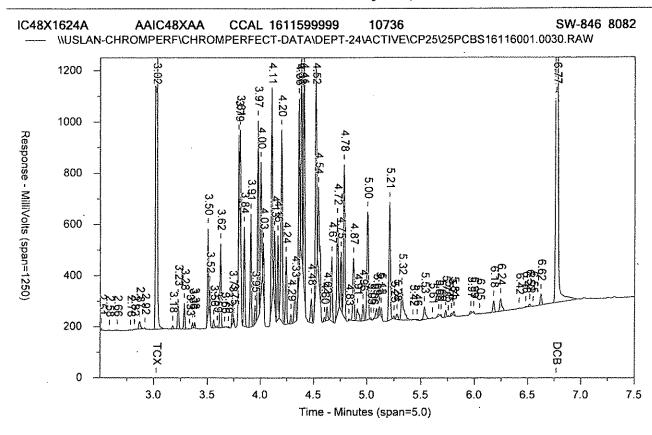
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

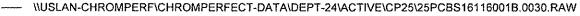
Data File: 25PCBS16116001B.0030.RAW

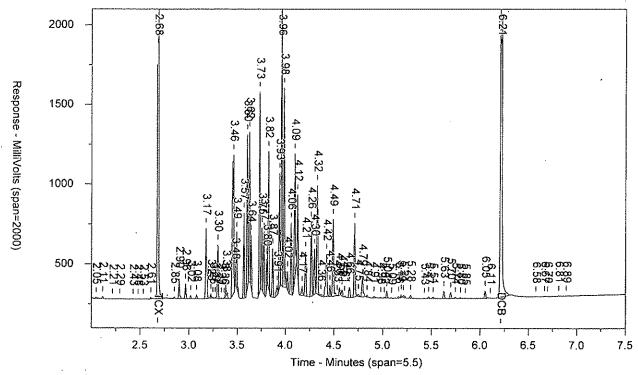
Method File: 25PCBSB.MET

Odirordi	011 1 110: 201 00	010110010.	0,10
RTB	Compound B	Height B	Area B
2.047		7733	13076
2.114		14184	9915
2,215		1532	1522
2.29		2679	3310
2.426		2074	2408
2.479		1271	1835
2.532		1083	1089
2.608		10040	6100
2.679	TCX	9315645	5266804
2.85		12065	8194
2.899		109999	73151
2.964		93173	56927
3.016		21377	12522
3.076		24396	15213
3.173		441102	366464
3.225		28733	16027
3.247		7229	. 3922
3.272		9100	5110
3.296		337370	219874
3.333		6119	3671
3.363		3832	1754
3.379		86017	72546
3.457		873409	968230
3,476		92318	37619
3.49		345472	202745
3.566		536816	335279
73.6		977301	576421
3.624		940880	512831
3.643		327957	171404
3.73	•	1258805	763556
3.753		388064	213084
3.774		380115	225389
3.805		183990	92506
3.821		850284	508549
3.865		305112	214812
3.913		61240	52276
3.935		723053	431222
3.957		1747813	1061841
3.983		1249733	810746
4.021		116183	68321
4.057		451110	315289
4.094		786851	617400
4.123		495419	265775
4.17		57456	48045
4.205		276678	203767
4.263		468116	351846
4.297		283799	193831
4.325		681901	487866
4.363		11299	10705
4.421		266713	263151
4.455		70593	50888
4.488		483465	380334
4.532		5002	2787
4.556		48559	31390

RTB	Compound B	Height B	Area B
4.583		40644	30342
4.609		5963	6142
4.658		66323	61792
4.711		463924	373319
4.75		13863	11976
4.791		113510	109122
4,84		12823	8388
4.911		9294	13717
4.98		5469	4104
5.015		5572	3928
5.04		44163	34723
5.089		3323	2992
5.162		10126	7887
5.187	•	18900	13157
5.211		13911	18957
5.285		21394	21137
5.426		4040	3338
5.47		12019	12046
5.515		8330	13861
5.627		47528	41116
5.695		38491	33870
5,744		9552	7847
5.797		5932	7300
5.85		2910	2938
6.05		47095	47157
6.106		1253	870
6.211	DCB	5456793	4789732
6.576		2729	3387
6.665		4163	4141
6.698		2037	1791
6.812		2614	3423
6.89		1376	1339







Sample Number: IC48X1624A

AAIC48XAA CCAL 1611599999 10736

SW-846 8082

Injected On: 4/25/2016 10:12:10 PM

Sample Weight: 1

Instrument ID: CP25-18274

Dilution Factor: 1

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.023	6993556	38,687	TCX	2.679	9315645	42.304	TCX
6.769	3611479	40.384	DCB	6.211	5456793	41.753	DCB

Files:

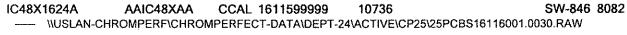
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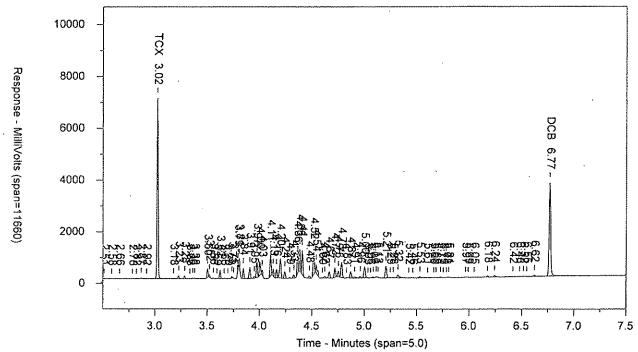
Method A: 25PCBS.MET Method B: 25PCBSB.MET

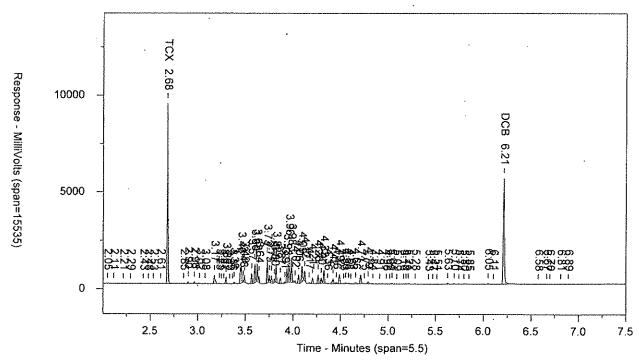
Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 10:20:40 PM File Reported On: 4/25/2016 at 10:20:47 PM







Sample Number; IC54X1624A

AAIC54XAA CCAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 10:23:58 PM

123:58 PM

Injection Volume: 1 ul Analyst: 2855

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25PCBS16116001.0031.RAW

Method File: 25PCBS.MET

Ganorati	1011 T NO. 201 OC	01011001.0	// tu
RT A	Compound A	Height A	Area A
2.048		15627	18574
2.118		1580	2032
2.173		11946	18892
2.286		2183	2255
2.308		22064	17865
2,397		18719	12363
2.421		7800	5453
2.466		2742	2988
2,509		12597	9976
2.581	•	2535	3086
2.66		2427	5887
2.728		1570	1157
2.782		1774	5003
2.846		556	2819
2.868		30910	31949
2.917		14494	12259
3.023	TCX	3731513	2554116
3,172	100	4116	6344
3.227		66019	46333
3.285		32611	25778
3.331		2272	1781
3.361			
3.382		12709 2489	7999
3.362			1600
3.504		2052	1467
		23923	14464
3.521		8296	4740
3.563		4016	5269
3,597		4115	2948
3.624		32763	32151
3.664		2747	1712
3.699		3528	2936
3.735		6218	3461
3.778		3824	2174
3.796		26557	14496
3.809		21859	15765
3.847		37133	31184
3.908		28330	22139
3.977		743320	574360
4.004		213254	157442
4.028		27216	15097
4.106		484255	379937
4.131		37195	23683
4.163		51940	38416
4.2		221794	187523
4.241		50213	41939
4.271		. 3162	1869
4.291		12820	11192
4.325	٠	92972	87951
4.363		1146704	847218
4.385		516782	322742
4.41		356245	278171
4.478		337306	299862
4.522		1638369	1636415
4.557		609477	508110
		,	

		~~~~	
RT A	Compound A	Height A	Area A
4.6		30206	20745
4.623		120696	107216
4,668		587298	519001
4.721		1129950	1006372
4.753		270956	187625
4.784		2093695	1856926
4.831		173528	232405
4.872		317247	272399
4.91		662347	700965
4.962		151509	139611
5.004		1395911	1377682
5.033		27252	16175
5.059		159215	129786
5.088		30835	18846
5,113		535636	405852
5.132		291880	197638
5.163		20099	15051
5.207		1245300	1179570
5.25		147681	117800
5.275		139353	194673
5.323		1522556	1955679
5.383		35678	22856
5.427		61984	52578
5.448		11131	6453
5.505		4907	3087
5.533		546834	699936
5.58		4149	2181
5.607		71369	64144
5.647		60850	62761
5.686		10378	7573
5.73		336516	305523
5.757		46678	31820
5.786		239308	233420
5.872		1476	2228
5.994		204545	205214
6.024		37486	35750
6.089		1500	1709
6.179		23018	23665
6.243		35920	52017
6.379		1039	2336
6.422		11549	12069
6.482		4979	5067
6.519		7375	9338
6.624		21445	25035
6.771	DCB	1830410	2035344

Sample Number: IC54X1624A

AAIC54XAA CCAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 10:23:58 PM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 2855

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

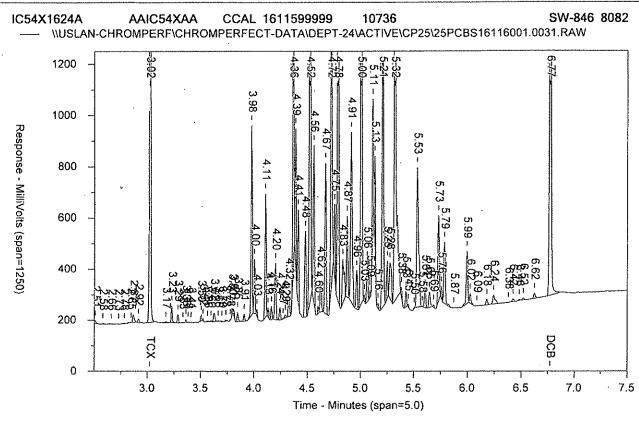
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

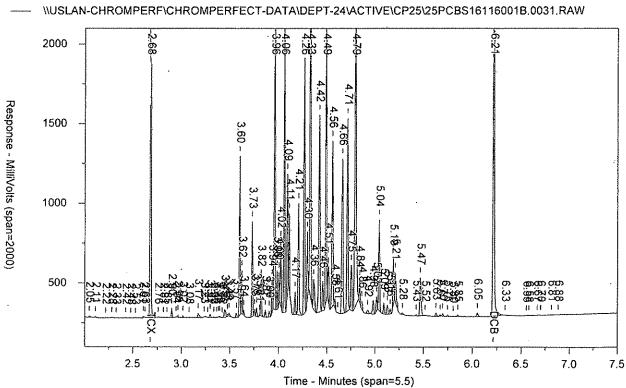
Data File: 25PCBS16116001B.0031.RAW

Method File: 25PCBSB.MET

RT B	Compound B	Height B	Area B
2.048		8309	13837
2.113		7522	5369
2.218	•	2198	2581
2.28		3988	5869
2.326		1748	1377
2.424		2205	2858
2.479		1347	2145
2.527		1339	1390
2.607		9652	5646
2.625		4236	2703
2.679	TCX	4549187	2629774
2.758		1044	568
2.814		1825	1519
2.85		1937	1237
2,898		58141	34954
2.944		4572	2939
2.964		14299	7868
3.016		10966	7095
3.078		3258	2599
3.173		28604	31540
3.235		3201	2386
3.272		2189	1028
3.297		22295	14241
3.334		. 5313	3760
3.362		4177	2382
3.38		5940	2924
3.395		8508	4201
3.421		1665	1053
3.446		51509	51637
3.476		16447	7860
3.491		22204	17252
3.567		28992	18549
3.601		999860	578942
3.625		273061	157521
3.644		32810	15597
3,73		599762	369201
3.754		43214	22580
3.775		55930	39289
3.806		7721	3802
3.822		229283	141175
3.866		45665	31981
3.905		38739	31554
3.936		204731	118796
3.958		2289421	1475710
3.984		244046	136711
4.004		199222	106508
4.022 4.058	٠	401474 1919858	241539 1275687
4,091 4,11		757091 470950	482317 263035
4.171		144741	263035 106533
4.171		701374	515852
4.264		1581584	1128397
4.298		433012	302490
4.230		43301Z	302430

RT B	Compound B	Height B	Area B
4.326		2290162	1738442
4.364		189249	181113
4.419		1238191	1025805
4.456		188062	141171
4.489		1799188	1258706
4.513		273597	178573
4.556		1040722	781312
4.583		55653	34483
4.613		4816	4345
4.659		972350	895893
4.712		1212177	979389
4.752		286197	231398
4.792		1912137	1866270
4.839		138391	86277
4.863		52669	35970
4.924		23864	28517
4.98		87075	80035
5.016		90447	64808
5.042		568338	459976
5,091		70874	57295
5.127		56685	45271
5,157		30094	25663
5.188		290645	205483
5.209		181517	159003
5.284		10945	11077
5.426		8950	7061
5.468		240771	235010
5.517		4661	4963
5.628		21960	19560
5.67		10517	7879
5.695		16391	13009
5.745		10882	9588
5.802		3844	4090
5.849		11603	9973
6.05		23109	26574
6.212	DCB	2786002	2406928
6.333		2857	2639
6.552		926	776
6.577		1844	2590
6.667		2028	1808
6.701		1683	1415
6.812		1882	2975
6.883		981	1307





# LANCASTER LABORATORIES

Sample Number: IC54X1624A

AAIC54XAA CCAL 1611599999

10736

SW-846 8082

Injected On: 4/25/2016 10:23:58 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 2855

RTA	Height A	Amount A - PPB	Compound A	RT B		Amount B - PPB	Compound B
3.023	3731513	20.642	TCX	2.679	4549187	20.659	TCX
6.771	1830410	20.468	DCB	6.212	2786002	21.317	DCB

Files:

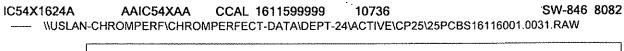
Area File: 25PCBS16116001.0031.RAW Area File: 25PCBS16116001B.0031.RAW

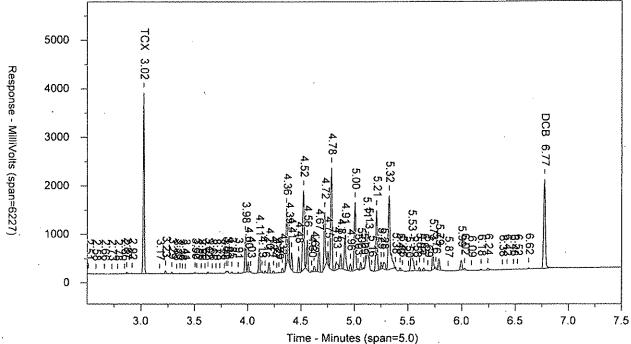
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

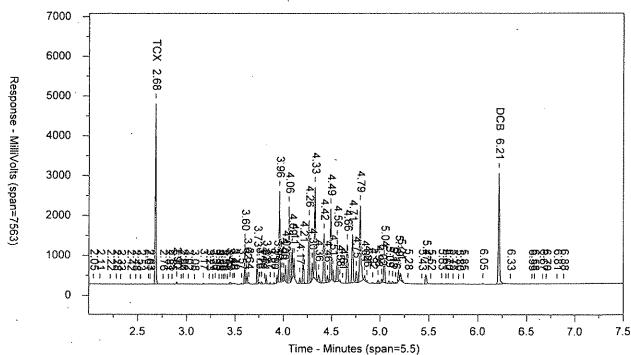
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 4/25/2016 10:32:30 PM File Reported On: 4/25/2016 at 10:32:39 PM





# -- \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS16116001B.0031.RAW



Injected On: 5/6/2016 9:42:11 AM

Sample Number: IBLKX1624A

Instrument ID: CP25-18274

BJPIBLKBJ

PIBLK1612699999

10736

SW-846 8082

Injection Volume: 1 ul

Analyst: 9065

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1  $30m \times 0.32mm \times 0.5um$  Column B ID: ZB Multiresidue-2  $30m \times 0.32mm \times 0.25um$ 

Date File: 25pcbs16116007.0005.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

RTA	Compound A	Height A	Area A
2.047		11781	14541
2.174		19135	54716
2.307		22424	17192
2.397		26342	17300
2.42		8020	4741
2.465		3805	3765
2.506		6459	4964
2.58		2904	3160
2.661		3264	584 <del>9</del>
2.867		19751	25560
2,916		5791	4092
2.943		1022	678
3.022	TCX	3854744	2615429
3.159		1710	1570
3.226		66548	45707
3.284		6378	5237
3.36		13258	8551
3.398		1417	1597
3.449		870	547
3.48		1313	830
3.506		2862	2702
3.554		899	624
3.595		1615	843
3.629		6032	5430
3.662		4672	4325
3.682		3098	1869
3.777		9459	8484
3,852		4488	6266
3.925		2582	3584
3.957		5022	5005
4.005		2401	2381
4.146		1465	1735
4.18		2421	2923
4.235		2194	3611
4.292		2892	2778
4.325		59519	73665
4.435		11297	14621
4.537		3159	4679
4.638		4494	6356
4.694		845	815
4.722		2667	2509
4.815		1052	3667
4.875		1238	1105
4.923		1485	2868
4.991		` 5105	5931
5.036		7879	6980
5.124		339	2998
5.195		2701	4927
5.277		6229	5545
5.344		4977	8847
5.463		10875	34473
5.611		4162	59765
5.686		8717	13980
5.748		888	1046

RTA	Compound A	Height A	Area A
5,808		10895	12768
5.904		3495	4172
5.97		2711	3419
6.177		20179	20272
6.244		18463	25089
6.548		548	5983
6.624		19482	22151
6.771	DCB	1821973	1997397

Printed on 5/6/2016 9:50:52 AM

Sample Number: IBLKX1624A

BJPIBLKBJ PIBLK1612699999

10736

SW-846 8082

Injected On: 5/6/2016 9:42:11 AM Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 9065

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

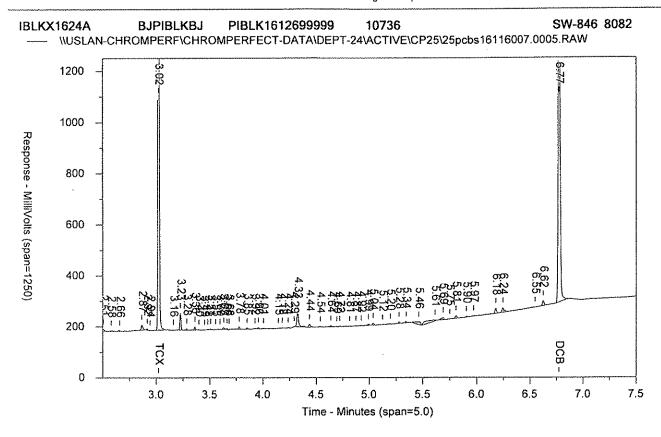
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

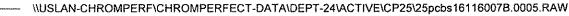
Data File: 25pcbs16116007B.0005.RAW

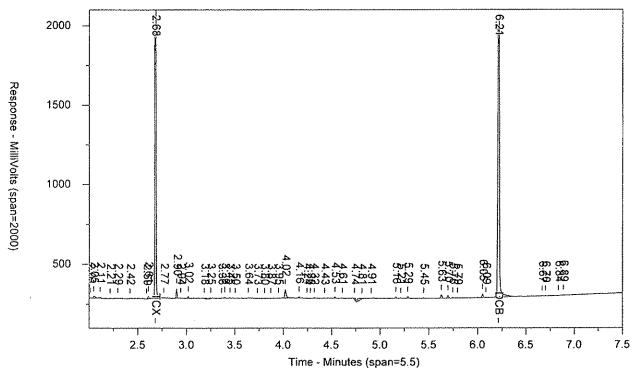
Method File: 25PCBSB.MET

Calibration File: 25PCBS1611601B.CAL

RT B	Compound B	Height B	Area B
2.013		2429	1314
2.048		11335	20757
2,113		6879	4848
2.215		1339	1521
2.294		3071	4983
2,419		2091	2837
2.59		2980	2334
2.607		15851	14444
2.679	TCX	4804804	2738382
2,767		2114	4437
2.899		60076	35855
2.939		1671	2723
3.016		11671	7329
3.183		4046	11527
3.249		4897	8532
3,363		2216	1339
3.395		5917	3604
3,449		2986	3223
3.504		1541	2388
3.637		2554	4341
3.732		3218	5109
3.805		2328	6804
3.871		832	764
3.949		1391	2032
4.021		54054	67519
4.16		9141	7562
4.243		3138	3651
4.279		1875	2039
4.279		2599	4031
4.427		1007	1080
4.535		8450	7657
4.535			. 2716
		1998	
4.738		10154 5059	13216 36900
4.813			
4.909		1084	891
5.164		8154	7398
5.214		1525	1792
5.286		9953	11870
5,447		2965	2714
5.629		21282	18887
5.696		17260	15320
5.745		4913	4209
5.792		1166	1270
6.051		22875	19354
6.085		942	657
6.211	DCB	2616099	2442592
6.665		1970	1823
6,699		1442	1253
6,836		1000	2977
6.887		2307	2934







Sample Number: IBLKX1624A

**BJPIBLKBJ** 

PIBLK1612699999

10736

SW-846 8082

Injected On: 5/6/2016 9:42:11 AM

Sample Weight: 1000 Dilution Factor: 10

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	
3.022	3854744	.213	TCX	2.679	4804804	.218	TCX
6.771	1821973	.204	DCB	6,211	2616099	.2	DCB

Files:

Area File: 25pcbs16116007.0005.RAW Area File: 25pcbs16116007B.0005.RAW

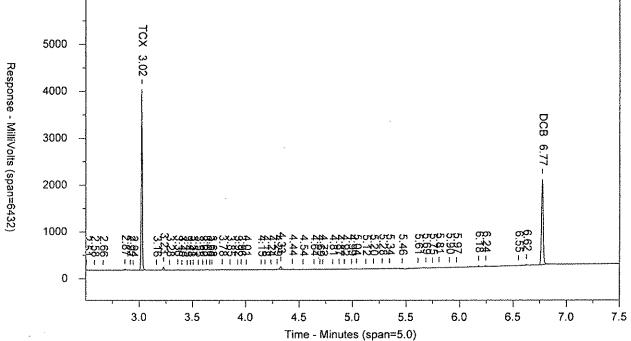
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

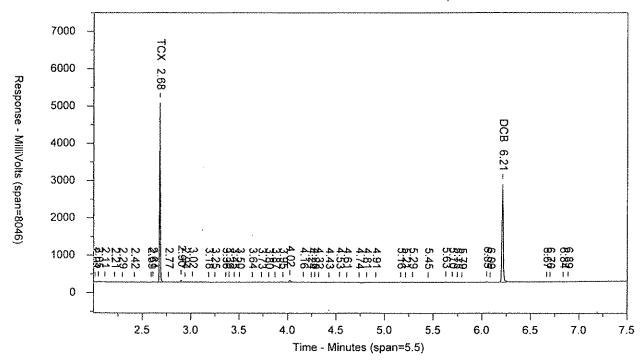
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 5/6/2016 9:50:45 AM File Reported On: 5/6/2016 at 9:50:52 AM





# \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16116007B.0005.RAW



Sample Number: AR1631624A Injected On: 5/6/2016 9:53:56 AM KFAR163KF CCAL 1612699999 10736

SW-846 8082

Injection Volume: 1 ul Analyst: 9065

Instrument ID: CP25-18274 Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25pcbs16116007.0006.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

DY 4	O A	I fai-se A	Area A
RT A 2.048	Compound A	Height A 9517	11578
		1449	2400
2.123			41906
2.173		22125	9057
2.231		5106	
2.274		1534	1745
2.307		42396	31238
2.397		32793	21741
2.42		16212	10168
2.468		3793	4578
2.508		5045	4083
2.581		3368	3976
2.62		1488	1087
2.658		11856	10682
2,717		2319	1667
2.812		2187	1631
2.867		21322	20812
2.916	•	4703	5438
2.94		2720	2536
2.989		3001	1964
3.022	TCX	7018492	4900213
3,176		116450	103161
3.234		170449	184713
3.284		665698	464601
3.323		3000	2039
3.36		20610	11387
3,379		89854	58785
3.481		1923	1028
3.503		686655	418031
3.52		337074	189377
3,558		101580	82646
3.591		70408	42008
3,622		812487	618347
3.658		4578	2606
3.698		33761	23343
3.735		189265	114980
3.749		105500	55229
3,795		443009	242717
3.806		858254	445291
3,846		934614	758109
3.909		779318	669780
3.949		72836	51139
3.976		569744	426682
4.004		428350	361617
4.026		142735	80248
4.105		621326	463745
4.105		223342	152678
4.162		251889	194182
4.102		616959	675609
		221065	179822
4.24 4.287		34999	28231
		83385	
4.325			83541
4.363		637614	487289
4.384		176935	105260
4.408		156314	124428

RTA	Compound A	Height A	Area A
4.477		113062	97822
4.522		649062	615691
4.556		16495	10227
4.623		6772	8867
4.667		55256	49706
4.721		71030	55864
4.736		127230	90468
4.783		434949	401 <del>6</del> 31
4.83		574923	671410
4.869		149945	111743
4.909		1211392	1202731
4.96		6126	4889
5.002		240352	271874
5.033		15849	10249
5.059		252907	235195
5,113		1462908	1875334
5.163		296447	260082
5.206		755918	854984
5.249		10758	5840
5.286		160330	196014
5.322		1713372	1951102
5.383		799695	751395
5.426		569335	541036
5.548		996512	1433543
5,606		499559	458760
5.646		261324	233746
5.687		74195	68666
5.73		394222	379593
5.786		2177244	2375133
5,993		1255584	1311097
6.033	•	366552	733557
6.177		60480	60241
6.241		55612	43075
6.265		237058	204708
6.372		1111	1003
6.421		520403	534677
6.467		35288	32304
6.55		1706	1442
6.624		157048	170696
6.772	DCB	3410825	3717954

Printed on 5/6/2016 10:02:32 AM

Sample Number: AR1631624A

KFAR163KF CCAL 1612699999

10736

SW-846 8082

Injected On: 5/6/2016 9:53:56 AM Instrument ID: CP25-18274 Injection Volume: 1 ul

Analyst: 9065

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

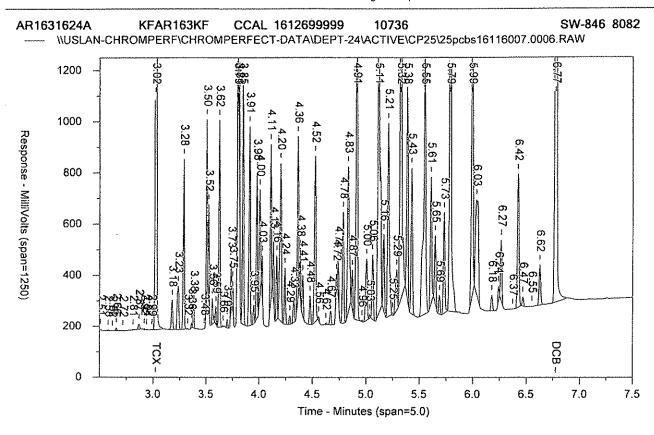
Data File: 25pcbs16116007B.0006.RAW

Method File: 25PCBSB.MET

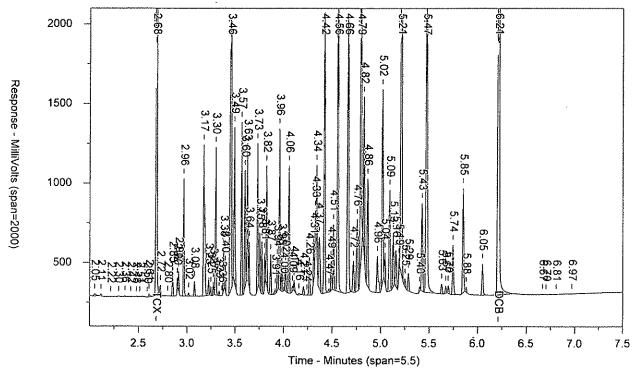
Calibration File: 25PCBS1611601B.CAL

RTB	Compound B	Height B	Area B
2.05		13283	22332
2.114		13076	8848
2,216		2013	2406
2.295		3338	5243
2,361		7254	4300
2.42		2986	2990
2,477		1187	1129
2.513		1765	1097
2.59		3395	2735
2.608		19640	18505
2.68	TCX	9525268	5445975
2.723	10%	54820	33998
2.723		1744	1200
2.85		130053	81352
2.899		74565	34502
2.099		114789	54330
2.965		742350	446020
3.016		22918	13137
3.077		94026	60315
3.173		955893	912493
3.225		112515	68251
3.247		55259	29882
3.273		81967	46379
3.297		933910	606671
3.334		30563	16999
3.362		2581	1083
3.38		258060	135819
3.396		150167	74062
3.457		1984210	1972420
3.492		976047	645322
3.567		1092120	650320
3.602		741346	442984
3.626		800738	440601
3,644		278842	141707
3.732		920568	593332
3.755		352197	189371
3.776		332711	193593
3.806		199727	102730
3.823		745561	450669
3.866		254348	184233
3.914		34141	26713
3.936		198527	119499
3.958		1014613	660015
3.984		211484	124935
			12337
4.004		26756	
4.022		163084	101110
4.058		805690	549410
4.094		31721	19388
4.111		64716	42843
4.16		9039	11176
4.207		51746	39842
4.24		2730	1309
4.265		177059	126039
4.309		206163	120622

RTB	Compound B	Height B	Area B
4,327		171119	87415
4.339		495695	273603
4.366		322412	328873
4.419		1771589	1319584
4.467		23619	16709
4.489		186594	124272
4.514		412347	284922
4.557		2074033	1601162
4.662		1720007	1568514
4.718		198188	166257
4.755		455267	384272
4.792		2115465	1717093
4.825	•	971636	659615
4.863		676213	532175
4.965		230981	240308
5.017		1220977	987651
5.042		183966	123771
5.092		637030	581845
5.128		327654	254318
5.156		227632	193874
5.189		89279	49891
5.21		2745264	2257074
5.252		52661	36645
5.286		113962	91591
5.402		28926	18888
5.426		554199	456849
5.47		1889428	2036254
5.628		64167	54658
5.67		47587	34558
5.696		48456	37895
5.745		312477	274360
5.85		659966	534624
5.881		30639	21802
6.05		199335	176334
6.211	DCB	5100024	4713313
6.667		3364	2973
6.702		1754	1379
6,807		694	1399
6.969		831	531







#### LANCASTER LABORATORIES

Sample Number: AR1631624A

KFAR163KF

CCAL 1612699999

10736

SW-846 8082

Injected On: 5/6/2016 9:53:56 AM Instrument ID: CP25-18274

.

Sample Weight: 1 Dilution Factor: 1

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1  $30m \times 0.32mm \times 0.5um$  Column B ID: ZB Multiresidue-2  $30m \times 0.32mm \times 0.25um$ 

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 9065

	RTA	Height A	Amount A - PPB	Compound A	RTB	Height B	Amount B - PPB	Compound B
~	3.022	7018492	38.825	TCX	2.68	9525268	43.256	TCX
	6.772	3410825	38.14	DCB	6.211	5100024	39.023	DCB

Files:

Area File: 25pcbs16116007.0006.RAW Area File: 25pcbs16116007B.0006.RAW

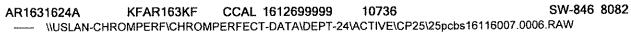
Method A: 25PCBS.MET Method B: 25PCBSB.MET

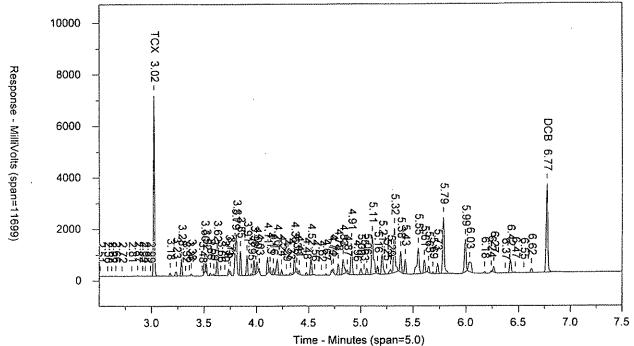
Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA

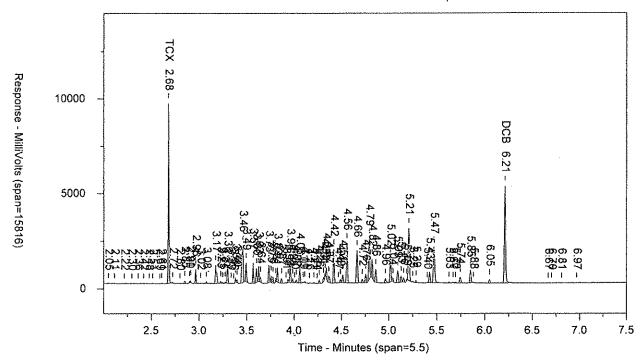
Format B: pestD25.FMTB

Area File Created On: 5/6/2016 10:02:27 AM File Reported On: 5/6/2016 at 10:02:32 AM





# --- \\USLAN-CHROMPERF\CHROMPERFECT-DATA\\DEPT-2\'4\ACTIVE\\CP25\\25pcbs16116007B.0006.RAW



Sample Number: IBLKX1624A

BKPIBLKBK

PIBLK1612699999

10736

SW-846 8082

Injected On: 5/6/2016 11:50:48 AM

Instrument ID: CP25-18274

Injection Volume: 1 ul - Analyst: 9065

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25pcbs16116007.0016.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

RTA	Compound A	Height A	Area A
2.048		6179	14545
2.174		23647	63279
2,307		20657	16246
2.396		33941	21808
2.419		6958	4147
2.463		3547	3938
2.507		3040	2124
2.579		3045	4335
2,654		3529	7669
2.797		854	2922
2.866		29916	37758
2.914		2232	1382
2.946		1120	1436
3.022	TCX	3777062	2584506
3.106		1432	1481
3.194		980	1207
3.226		65867	44725
3.284		3064	2443
3.36		12863	8449
3.504		3726	4654
3.578		1204	2167
3.627		3175	3107
3.663		3410	2887
3.68		2585	1248
3.741		1447	1886
3.776		13075	9545
3.85		4020	5989
3,908		2669	4512
3.956		1901	1225
4.008		2252	2262
4.127		1142	1459
4.182		6916	9328
4.324		76836	112473
4.436		12641	13908
4.535		2064	3569
4.635		1639	1609
4.722		2134	2309
4.872		997	842
4.912		1382	1544
4.992		2113	3555
5.034		5065	4686
5,109		1451	2615
5.193		4000	5896
5.276		6151	6218
5.345		1852	4322
5.469		4821	12968
5.602		3935	33503
5.685		7510	10018
5.807		9969	14989
5.903		4609	5196
5.986		1798	3956
6.176		19712	19464
6.241		14165	11907
6.482		4183	21246

Printed on 5/6/2016 11:59:24 AM

RTA	Compound A	Height A	. Area A
6.547		1296	874
6.621		20014	19846
6.659		1711	1414
6.768	DCB	1784398	1940385
6.889		1546	2707

Sample Number: IBLKX1624A

**BKPIBLKBK** 

PIBLK1612699999

10736

SW-846 8082

Injected On: 5/6/2016 11:50:48 AM Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 9065

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0,32mm x 0.5um

Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

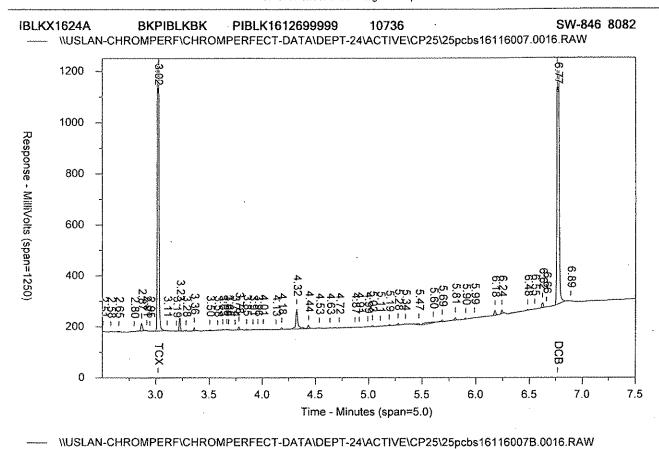
Data File: 25pcbs16116007B.0016.RAW

Method File: 25PCBSB.MET

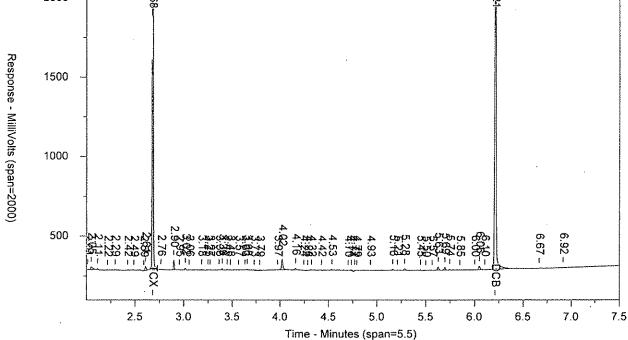
Calibration File: 25PCBS1611601B.CAL

RT B	Compound B	Height B	Area B
2,01		2724	1608
2.049		15873	27206
2.113		7263	5504
2.216		1311	1196
2.292		3897	6795
2.421		26 <del>6</del> 0	4282
2.486		1557	1983
2.588		3750	2966
2.607		26420	25701
2.679	TCX	4788670	2761379
2.765		2757	4392
2.898		60155	34725
2.954		1683	3361
3.016		12332	7704
3.055		1037	893
3.182		4517	10956
3.248		3697	4847
3.269		1495	1448
3.363		3162	1461
3.395		9461	6562
3.447		4117	4389
3.479		1852	1605
3,566		1637	2038
3.634		2081	1863
3.656		5260	2923
3.73		3375	7387
3.787		4516	13956
3.973		1338	2673
4.02		67611	79600
4.159		10618	8758
4.242		3602	4816
4.283		2289	3486
4.321		2244	2110
4.423		1382	1770
4.534		5372	4115
4.703		935	2121
4.737		5827	7290
4.768		6452	4676
4.79		1521	1280
4.933		2306	2415
5.163		6935	6038
5.209		1856	2062
5.285		9991	12864
5.445		5185	5364
5.5		2443	7480
5.565		1011	1019
5.627		20629	19099
5.695		17857	14953
5.744		5151	4508
5.849		1136	1281
6.002		1088	826
6.048		22683	19093
6.104		1068	777
6.209	DCB	2707195	2466458

RT B	Compound B	Height B	Area B
6.667		1960	1856
6.917		1590	8842







#### LANCASTER LABORATORIES

Sample Number: IBLKX1624A

BKPIBLKBK PIBLK1612699999

10736

SW-846 8082

Injected On: 5/6/2016 11:50:48 AM

Sample Weight: 1000 Dilution Factor: 10

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.022	3777062	.209	TCX	2.679	4788670	.217	TCX
6.768	1784398	.2	DCB	6.209	2707195	.207	DCB

Files:

Area File: 25pcbs16116007.0016.RAW Area File: 25pcbs16116007B.0016.RAW

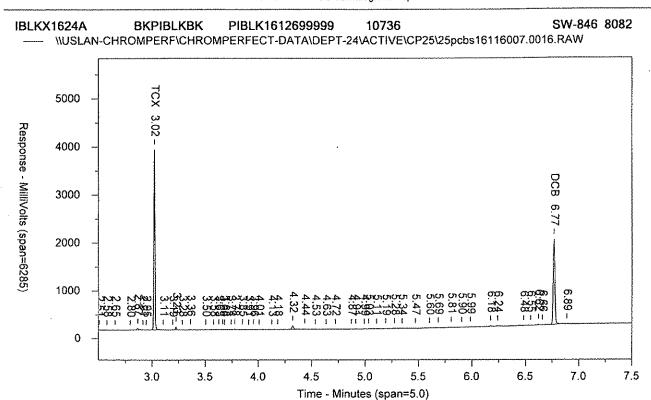
Method A: 25PCBS.MET Method B: 25PCBSB.MET

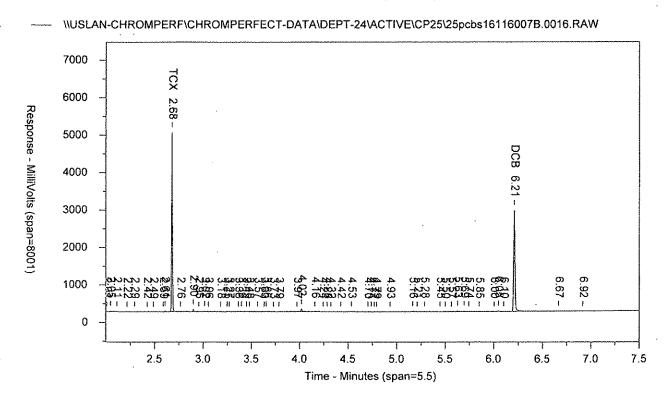
Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 5/6/2016 11:59:19 AM File Reported On: 5/6/2016 at 11:59:23 AM

Printed on 5/6/2016 11:59:24 AM





# LANCASTER LABORATORIES

Sample Number: AR1631624A

KGAR163KG

CCAL 1612699999

10736

SW-846 8082

Injected On: 5/6/2016 12:02:23 PM

Injection Volume: 1 ul Analyst: 9065

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um

Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25pcbs16116007.0017.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

		0101700170	
RT A	Compound A	Height A	Area A
2.047		9322	11000
2.131		1431	2728
2.174		19101	36181
2.23		4707	8172
2.307		40678	31200
2.396		32530	20861
2.42		15430	9541
2.464		2958	3220
2.507		6032	5356
2.582		2653	3661
2.621		1302	808
2.658		11053	9320
2.717		2137	1718
2.811		1591	912
2.866		19392	18987
2,914		4548	2753
2.942		2630	2860
2.991		1431	1136
3.022	TCX	7012471	4797220
3,175		110535	99276
3.232		172816	178194
3.282		645858	455190
3.358		19233	10722
3,377		86365	57768
3.5	•	658398	404751
3.517		338308	184537
3.555		91052	54489
3.571		27783	11954
3,588		69200	41518
3.618		823533	602232
3.654		5418	3193
3.672		5187	3069
3.693		31745	20997
3.73		262255	308777
3.79		474547	244120
3.803		838298	448371
3.841		919676	741874
3.904		798987	654148
3.945		74167	51136
3.971		568163	414129
3.999		398618	349784
4.022		142878	81054
4.101		611948	454567
4.126		224401	148691
4.158 4.195		254399 607630	188650
			660609
4.236		211265	174995
4.283		36552	28793
4.322		89325	88507
4.358		630960	480292
4.38		175543	105178
4.405 4.43		169246	129518
4.43		4937	3494
7.710		107203	96939

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RTA	Compound A	Height A	Area A
4.517		634172	599229
4,552		15673	9558
4.622		6238	7309
4,662		53703	47321
4.717		73749	54965
4,732		123619	88958
4.78		425483	392717
4.826		563543	653613
4.865		148370	110220
4.905		1212767	1171179
4.956		5490	4309
4.998		236297	266269
5.029		15800	9882
5.056		247077	233357
5.108		1418847	1835756
5.16		286018	255135
5.202		744398	840637
5.245		10903	6004
5.281		161232	195969
5.318		1656754	1934943
5.379		825634	742487
5.422		551810	538155
5.544		1022263	1416210
5.603		466950	453543
5.643		264072	231165
5.683		72398	65972
5.727		380455	377966
5.782		2187545	2342795
5.988		1211102	1296029
6.025		124651	115627
6.04		129951	94171
6.174		57768	58530
6.237		54147	41375
6.26		226235	205531
6.38		767	1378
6.416		503445	531088
6.462		34968	32643
6.517		1819	2582
6.564		525	1252
6.619	DOD	162393	167332
6.765	DCB	3422575	3793398

Sample Number: AR1631624A

KGAR163KG CCAL 1612699999

10736

SW-846 8082

Injected On: 5/6/2016 12:02:23 PM Instrument ID: CP25-18274

Injection Volume: 1 ul Analyst: 9065

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

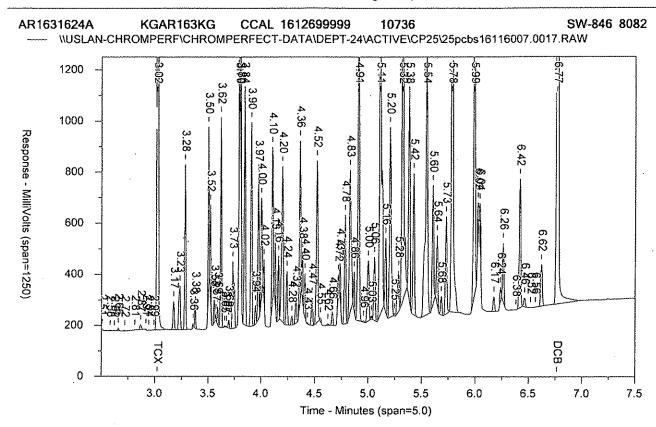
Data File: 25pcbs16116007B.0017.RAW

Method File: 25PCBSB.MET

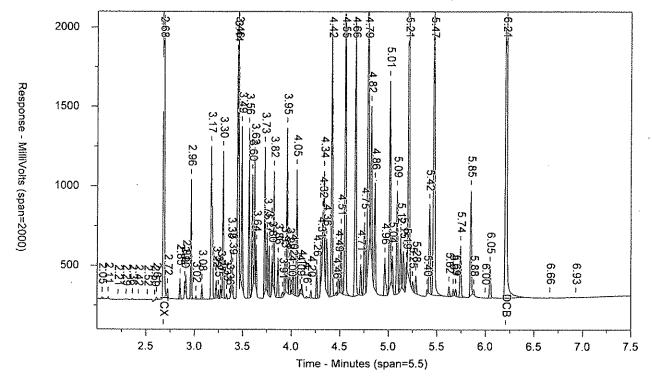
Calibration File: 25PCBS1611601B.CAL

RTB	Compound B	Height B	Area 8
2.051		11418	18479
2.113		13111	8881
2.213		2827	2788
2.295		2908	4723
2.36		6691	4631
2,421 2,515		3178	3723
2.515		1539	1613
2.59		5523	6938 17510
2.679	тсх	17611 9474782	5418236
2.722	100	53239	34839
2.85		130700	82259
2.898		74761	33960
2.911		116075	55557
2.964		757822	443152
3.015		21387	13023
3.076		94888	58434
3.172		962099	908726
3.224		112527	68295
3.246		52725	29690
3.272		83511	45913
3.295		927810	604911
3.332		31275	17218
3.361		4190	1821
3.379		262614	133732
3.394		157203	75167
3.445		762870	330212
3.456		1252370	533969
3.489		992332	641767
3.565		1075676	649940
3.599		731614	437282
3.623		789474	437491
3.641		278505	142527
3.728		920838	592214
3.751 3.772		366537 318203	190682 191373
3.802		207012	106090
3.82		734576	451313
3.864		253672	184271
3.911		32110	26058
3.933		206705	118766
3.955		1040747	655201
3.981		203957	124882
4		26126	11795
4.018		160909	103236
4.055		797704	546222
4.091		31381	19780
4.107		62365	42599
4.156		10018	11884
4.203	•	50964	38974
4.261		182638	133299
4.305		195797	116357
4.323		198909	99160
4.336		489439	277498

D. 75 . D.			4
RTB	Compound B	Height B	Area B
4.362		329065	323631
4.416		1714907	1312346
4.463		22519	16581
4.486		182149	121692
4.51		405790	284752
4.554		2032778	1600082
4.659		1752776	1562369
4.714		195456	165011
4.752		455349	383687
4.789		2038705	1698643
4.821		912083	639571
4.86		669319	528623
4.962		241354	239394
5.013		1295738	992715
5.039		184102	126252
5.089		651085	583633
5.125		332991	256158
5.153		238246	192398
5.185		93435	52793
5.207		2740352	2271503
5.248		55122	41132
5.282		115311	92891
5.399		29380	19299
5.423		565051	466251
5.468		1938085	2086055
5.624		63802	54740
5.668		44787	34302
5.693		45810	34876
5.742		324760	279970
5.847		662269	550372
5.877		32704	22851
5.996		1532	1202
6.047		198572	173504
6.209	DCB	5360977	4870486
6.662		3485	3220
6.931		854	2776







#### LANCASTER LABORATORIES

Sample Number: AR1631624A

KGAR163KG CCAL 1612699999

10736

SW-846 8082

Injected On: 5/6/2016 12:02:23 PM

Sample Weight: 1 Dilution Factor: 1

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 9065

RTA	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3,022	7012471	38.791	TCX	2.679	9474782	43.027	TCX
6.765	3422575	38.271	DCB	6.209	5360977	41.02	DCB

Files:

Area File: 25pcbs16116007.0017.RAW

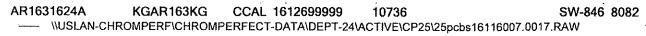
Area File: 25pcbs16116007B.0017.RAW Method A: 25PCBS.MET

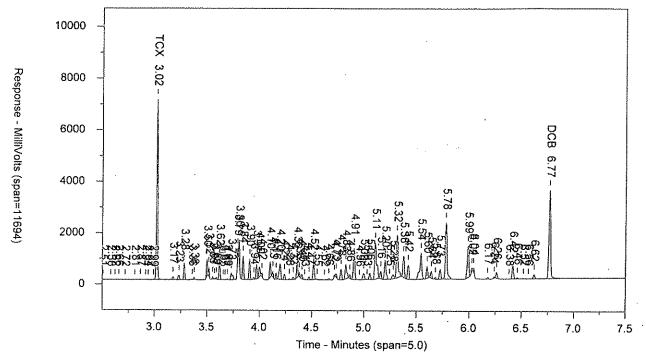
Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

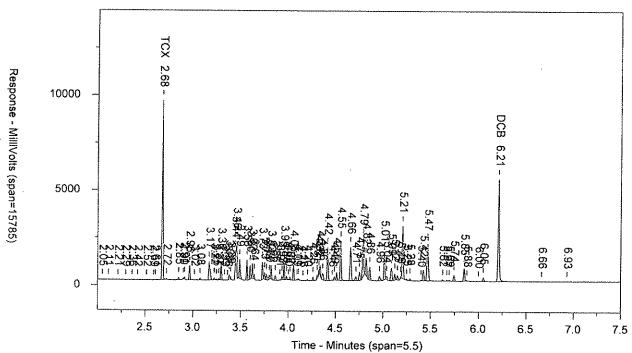
Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 5/6/2016 12:10:54 PM File Reported On: 5/6/2016 at 12:11:03 PM





# -- \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16116007B.0017.RAW



# Raw QC Data

Polychlorinated Biphenyls (PCBs)

es eurorins	***	eurofins
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Lancaster Laboratories **Data Summary** Environmental Sample Name: BLANKA 5/5/16 ACF PBLK01126 BLK Sample ID: AB Batchnumber: 161260001A Sample Amount: 30 Total Volume: g 10 ml Analyst: 9065 SDG: State: Analyses: 10225 Analysis Report (A) Analysis Report (B) Injected on May 06, 2016 10:05:45 May 06, 2016 10:05:45 injected on Instrument 18274A Instrument 18274B Result file 25PCBS16116007.0007.RAW 25PCBS16116007B.0007.RAW Result file Calibration file 25PCBS1611601 Calibration file 25PCBS1611601B Method file 25PCBS Method file 25PCBSB %SSR(TCX) 112% (46 - 148) Conc: 10.91738 %SSR(TCX) 119% (46 - 148) Conc: 11.62926 %SSR(DCB) 109% (49 - 139) Conc: 10.58839 %SSR(DCB) 115% (49 - 139) Conc: 11.2598 Single Component Data RT Min RT Height <u>Amount</u> Max Compound **Height** <u>Amount</u> 10.91738 3.02 - 3.05 Tetrachloro-m-xylene 5920736 Tetrachloro-m-xylene 2.65 2.68 2.71 7682534 11.62926 Decachlorobiphenyl 6.74 6.78 6.80 10.58839 2840732 6.18 Decachlorobiphenyl 6.21 6.24 4414690 11.2598 Single Component Summary Compound Name Column Amount Found LOQ MDL Qualifiers %RPD Comments Tetrachloro-m-xylene 11.62926 В 6.31 В 11.2598 Decachlorobiphenyl 6,15 **Multiple Component Summary** No. of Hits Compound Name Column Amount Found LOQ MDL Qualifiers %RPD Required Comments Aroclor-1016 <17 <3.3 Aroclor-1221 <17 <5.1 Aroclor-1232 <17 <4.1 Aroclor-1242 <17 <4.1 Arocior-1248 <17 <3.3 <4.4 Aroclor-1254 <17 Arocior-1260 <17 <3.9 Aroclor-1262 <17 <3.3 Araclor-1268 <17 <3.3 ___ Total PCBs <17 <3.3 Units: ug/kg %RPD = High - Low Amount divided by the Average times 100 Milila D. Hamilton

Kirby B. Turner Associate Chemist Reviewed by:

Verified by:

Miche'le B. Hamillan

MAY 0 6 2016 Date:

Date:

MAY 0 6 2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

<u> </u>			* *		
	BLANKA 5/5/16 ACF			Batchnumber: 16126000	
Sample Amount: Analyses: 10225	30 g Total	Volume: 10 ml	Analyst: 9065	SDG: Stat	e:
Allaly363. 10225		<i>(</i> )			
Analysis Report (	(A)	(, 1)	Analysis Report	(B)	
Injected on	:	PI	Injected on	: May 06, 2016 10:05:45	
Instrument Result file	: P 2518274A	" ( /	Instrument Result file	P 25-18274B	****
Calibration file	<ul><li>25PCBS16116007.0007.RA</li><li>25PCBS1611601.CAL</li></ul>	WV C	Calibration file	: 25PCBS16116007B.0007.R/	<b>₹</b> VV
Method file	: 25PCBS.MET	•	Method file	: 25PCBS1611601B.CAL : 25PCBSB.MET	
%SSR(TCX)	: 112% (46-148) Conc.	: 10.91738	%SSR(TCX)	(119% (46-148) Conc.:	11.62926
%SSR(DCB)	; 109% (49-139) Conc.	: 10.58839	%SSR(DCB)	115% (49-139) Conc.:	11.2598
Min R.T. Max	Height Amount	Pks %RSD Peak	Min R.T. Max	Height Amount	Pks %RSD Peak
Aroclor-1016 3.27 3.28 3.31	4070.302 0.409181	6 78.36 1	Aroclor-1016	0045 004 0 043939	6 78.76
3.48 3.50 3.52		2	2.95 2.96 2.99 + 3.28 3.30 3.32		1 2
3.60 3.62 3.64	4593,248 0.366994	3	3.28 3.31 3.32		2
3.83 3.85 3.87	6430.963 0.453282	4	3.47 3.49 3.51		3
3.89 3.91 3.93		5	3.55 3.57 3.59		4
4.09 4.11 4.13 Height Summation:	15165.25 1.598561 40342.426	6	3.71 3.73 3.75 + 3.80 3.81 3.84	* * - * * * * * * * * * * * * * * * * *	5 6
Amount Avg CF:	0.616843 Linear:		3.80 3.82 3.84		6
•	circai.		Height Summation:	51594.672	v
Aroclor-1221 3.16 3.16 3.20	2510.211 0.48102	3 121.30 1	Amount Avg CF:	0.678816 Linear:	
3.22 3.23 3.26	13812.34 3.088952	2	Aroclor-1221		2 123.08
3.26 3.28 3.30	4070.302 0.294162	3	2.89 2.90 2.93	8576.887 2.332647	2 723.00
Height Summation:	20392.853		2.95 2.96 2.99	2615.061 0.161711	3
Amount Avg CF:	1.288045 Linear:		Height Summation:	11191.948	
Aroclor-1232		6 96.40	Amount Avg CF:	1.247179 Linear:	•
3.27 3.28 3.31	4070.302 0.344047	1	Aroclor-1232		6 89.80
3.48 3.50 3.52 3.60 3.62 3.64	3910.922 0.81282 4593.248 0.761265	2 3	2.94 2.96 2.98 + 3.28 3.30 3.32		1
3.83 3.85 3.87	6430,963 0.960283	4	3.28 3.31 3.32		2 2
3.89 3.91 3.93	6171.741 1.063605	5	3,47 3,49 3,51	3129,403 0.463519	3
4.09 4.11 4.13	15165.25 3.757923	6	3.55 3.57 3.59	5317.52 0.778287	4
Height Summation:	40342.426 1.283324 Linear:		3.71 3.73 3.75 + 3.80 3.81 3.84	18522.2 3.43849 2912.964 0.596558	5 6
Amount Avg CF:	1.283324 Linear:		3.80 3.82 3.84		6
Arocior-1242	4070 000 0 540400	6 76.77	Height Summation:	51594.672	
3.26 3.28 3.30 3.48 3.50 3.52	4070.302 0.548132 3910.922 0.496867	1 2	Amount Avg CF:	1.504828 Linear:	
3.60 3.62 3.64	4593,248 0.500468	3	Aroclor-1242		6 78.10
3.82 3.85 3.86	6430,963 0.633869	4	2.94 2.96 2.98	2615,061 0.318688	1
3.89 3.91 3.93 4.08 4.11 4.12	6171,741 0.687831	5 6	+ 3.28 3.30 3.32		2
Height Summation:	15165.25 2.127923 40342.426	О	3,28 3.31 3,32 3,47 3,49 3,51	7762.628 0.80413 3129.403 0.294391	2 3
Amount Avg CF:	0.832515 Linear:		3.55 3.57 3.59	5317.52 0.471001	4
			3.71 3.73 3.75		5
Aroclor-1248 3.89 3.91 3.93	6171,741 0.871304	6 <b>77.45</b> 1	+ 3.80 3.81 3.84 3.80 3.82 3.84	2912.964 0.347235	6 6
+ 3.95 3.96 3.99	1386.594 0.11304	2	Height Summation:	14247.86 1.698394 51 <b>594.672</b>	0
3.95 3.98 3.99	11984.34 0.977007	2	Amount Avg CF:	0.916937 Linear:	
4.08 4.11 4.12 4.18 4.20 4.22		3	J	E. I. Carrotte	•
4.34 4.36 4.38	14536.78 1.263917 21541.7 2.052909	4 5	Aroclor-1248 3.58 3.60 3.62	12151.2 0.801696	6 80.66 1
4.76 4.79 4.80		6	3.71 3.73 3.75	18522.2 0.988552	ź
Height Summation:	109847.971		+ 3.80 3.81 3.84		3
Amount Avg CF;	1.80144 Linear:		3.80 3.82 3.84		3
Aroclor-1254		6 36.02	+ 3.94 3.94 3.98 3.94 3.96 3.98	16854.46 0.657445 47010.87 1.833761	4
4.34 4.36 4.38		1	4.30 4.33 4.34	39789.76 3.867276	5
4.70 4.72 4.74 4.76 4.79 4.80	28455.02 1.99562 40448.16 1.520583	2	4.47 4.49 4.51	35775.02 5.385056	6
4.89 4.91 4.93		3 4	Height Summation:	167496.91	
4.98 5.00 5.02	34878.25 1.933279	5	Amount Avg CF:	2.327332 Linear:	
5.19 5.21 5.23		6			
Height Summation:	175159.436				
Amount Avg CF:	1.751211 Linear:				

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 5/5/16 ACF PBLK01126Sample ID: AB Sample Amount: 30 g Total Volume: 10 ml Analyst: 9065 SDG: State:

Analyses: 10225

Analysis Report (	A)			Analysis	Report (	В)				
injected on	: May 06, 2016 10:05:45			Injected or		.=/ ∴ May 06, 20	16 10:05:4	5		
Instrument Result file	: P 25-18274A			Instrument		: P 251827	4B			
Calibration file	: 25PCBS16116007,0007,RAW : 25PCBS1611601,CAL			Result file Calibration	file	: 25PCBS16				
Method file	: 25PCBS.MET			Method file		: 25PCBS16 : 25PCBSB.f		· L.		
Min R.T. Max		s %RSD Pe	ak		.T. Max	Height	Amount	Pks	%RSD	^D eak
Aroclor-1260	6			Aroclor-125				6	37.39	
4.89 4.91 4.93	7279.396 0.376997		1	4.24 4		20194.02	1.030467			1
5.19 5.21 5.23 + 5.36 5.37 5.40	42556.91 3.550027		2	4.31 4		39789.76	1.238109	I		2
5.36 5.39 5.40	1316.141 0.102203 4179.426 0.324548		ა 3		.42 4.44 .49 4.51	19335.41 35775.02	1.28395 1.604804	l		3 4
+ 5.53 5.53 5.57	2944.46 0.184792		4	4.54 4		10311.58	0.796913			5
5.53 5.55 5.57	3578.726 0.224599		4		.71 4.73	35406.27	2.256161			6
5.77 5.79 5.81 5.97 5.99 6.01	11687.08			leight Sumn		160812.06				
Height Summation:	79785.228		,	Amount Avg	CF:	1.3684	01 Line	ar:		
Amount Avg CF:	0.895339 Linear:		P	Aroclor-126				6	39.18	
<del></del>		** **		4.40 4.		19335.41	0.760314			1
Aroclor-1262 + 5.36 5.37 5.40	1316,141 0.053833	33.85	1	4.54 4. 4.64 4.	.56 4.58 .66 4.68	10311.58 10047.79	0.344404 0.405664			2 3
5.36 5.39 5.40	4179.426 0.170946		1	5.00 5.		5814.212	0.32214	•		4
+ 5.53 5.53 5.57	2944.46 0.146625		2	+ 5.19 5.		2355.127	0.056456			5
5.53 5.55 5.57 5.76 5.79 5.80	3578.726 0.17821 11687.06 0.254385		2	5.19 5.		14211.16	0.340665	•		5
5.97 5.99 6.01	11687.06 0.254385 10503.71 0.41043		3 4 F	.כ כ.do leight Sumn	.47 5.49	10644.79 <b>70364.942</b>	0.38035			6
6.02 6.05 6.06	3710.356 0.268512		5 🚡	mount Avg		0.4255	B9 Linea	ar.		
6.40 6.42 6.44	5170.329 0.323783		6	•						
Height Summation:	38829.607 0.267711 Linear:			rocior-1262 4.80 4.		3281.817	0.10579	6	50.67	1
Amount Avg CF:	0.267711 Linear;			5.00 5.		5814.212	0.189813			2
Aroclor-1268	6	116.59		+ 5.19 5.		2355.127	0.038286			3
5.97 5.99 6.01 6.03 6.05 6.07	10503.71 0.218719 3710.356 0.090479		1 2	5.19 5. 5.41 5.		14211.16	0.231021			3
6.16 6.18 6.20	30474.01 0.758666		3	5.45 5.		2716.89 10644.79	0.11663 0.263177			4 5
6.22 6.25 6.26	21119.81 2.056993	•	4		85 5.87	8064,564	0.406718			6
6.40 6.42 6.44 6.60 6.63 6.64	5170.329 0.321812			leight Sumn	nation:	44733.433				
Height Summation:	33295,3 0.332629 104273,515		6 A	mount Avg	CF:	0.2188	58 Linea	ar:		
Amount Avg CF:	0.629883 Linear:		A	roclor-1268	3			6	131.16	
ű					43 5.44	2716.89	0.04165			1
				5,45 5. 5,61 5,		10644.79 33915.99	0.167495 0.631065			2 3
				5.68 5.		27312,28	2.174958			4
				5.83 5.		8064.564	0.395763			5
			•		05 6.07	34980.09	0.226556			6
				leight Summ		117634.604	10 17			
			^	mount Avg	GF:	0.60624	18 Linea	ar:		
Summary Report						No of Hits	Max			
Compound Name	Column Higher Amount Found	LOQ	MDL	Qualifiers	%Differer	nce Required	%RSD	Comments		
Aroclor-1016		17	3.3	3	9.57	4	40			
Arocior-1221		17	5.		3.22		5			
Aroclor-1232		17	4.	1	15.89		10			
Aroclor-1242	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	17	4.1	_	9.65		30			***************************************
Araclar-1248		17	3.3		25.47		40			
Aroclor-1254		17	4.4		24.54		40			
Aroclor-1260		17		·	** 71.12	*****	40			
Aroclor-1262		17	3.3		20.08	•	40	***************************************		
Aroclor-1268		17	3.3		3.82		40			
Units: ug/kg									<del></del>	

Sample Number: BLANKA 5/5/16 ACF ABPBLK01126 BLK 161260001A 10225

SW-846 8082

Injected On: 5/6/2016 10:05:45 AM

Injection Volume: 1 ul Analyst: 9065

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25pcbs16116007.0007.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

Combrat	/ 201 00	01011001.0	<i>//</i> /L
RTA	Compound A	Height A	Area A
2.012		5050	2674
2.042		12698	9915
2.075		3137	2373
2.089		6028	3077
2,124		17219	15643
2.174		10365	12551
2.192		8001	4329
2.219		334767	231139
2.252		' 8017	4757
2.289		20558	11480
2.309		32286	28577
2.397		18498	11665
2.42		15353	9498
2.446		2449	1237
2.479		227688	152492
2.527		3797	2574
2.55		6488	4156
2.596		9916	12347
2.658		4844	6772
2.682		3784	4247
2.71		4215	2665
2.747		3320	2354
2.778		21097	20891
2.827		44831	34250
2.897		1903	875
2.917 2.968		2320	2526
3.023	TCX	8772	9652
3.151	TUX	5920736	4043918
3.209		2510 4542	2716
3.227		13812	2717
3.285		4070	8386
3.319		2392	4401 1090
3.341		2837	1863
3.361		10020	6791
3.462		1477	845
3.504		3911	3769
3.561		3115	2111
3.595		7921	6080
3.624		4593	4170
3.666		3620	4176
3.701		9984	7094
3.738		2298	2843
3.772		7580	6630
3.796		3699	1718
3.808		4297	2266
3.849		6431	5764
3.909		6172	7124
3.955		1387	821
3.978		11984	8227
4.006		10760	16118
4.107		15165	11793
4.133		5065	3373
4.165		5932	4252

RTA	Compound A	Height A	Area A
4.201		14537	19274
4.243		3322	2898
4.326		59481	61226
4.365		21542	14803
4.386		28436	19153
4,41		33004	24159
4.436		8069	6565
4.479		3468	2329
4.52		34620	30639
4.543		11661	13338
4.6		3406	2709
4.628		2130	2373
4.667		13111	11667
4.723		28455	25288
4.756		11794	8540
4.785		40448	36001
4.829		2513	2311
4.873		17154	14692
4.911		7279	8831
4.963		4694	3896
5.005		34878	33757
5.038		12275	10425
5.087		2805	2340
5.113		9604	7444
5.164		2946	2457
5.208		42557	42865
5.251		1873	1289
5,279		10776	10522
5.323		20323	17706
5.365		1316	666
5.386		4179	3119
5.428		3848	8661
5.533		2944	2064
5,549		3579	2709
5.608		4016	4074
5.649		1415	1114
5.688		14081	13333
5.731		5088	4539
5.787		11687	8909
5.809		10508	7964
5.905		4053	4837
5.993		10504	13012
6.048		3710	7036
6.149		838	729
6.18		30474	31511
6.246		21120	18618
6.266		4075	2609
6.425		5170	20400
6.484		3217	4219
6.591		1710	6699
6.626		33295	35931
6.668		1935	1460
6.775	DCB	2840732	3093693
3.113	500	2040132	2022023

Sample Number: BLANKA 5/5/16 ACF ABPBLK01126 BLK 161260001A

10225 Injection Volume: 1 ul SW-846 8082

Injected On: 5/6/2016 10:05:45 AM Instrument ID: CP25-18274

Analyst: 9065

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

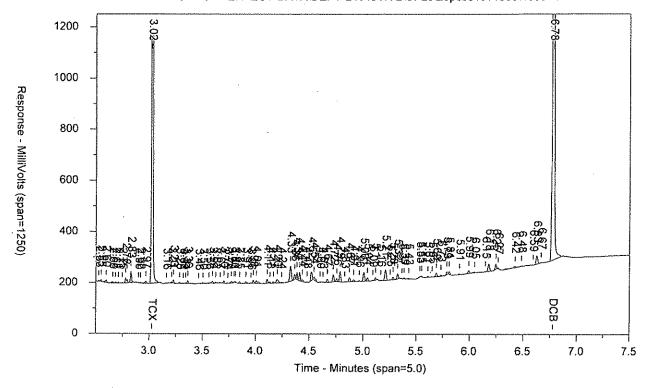
Data File: 25pcbs161160078.0007.RAW

Method File: 25PCBSB.MET

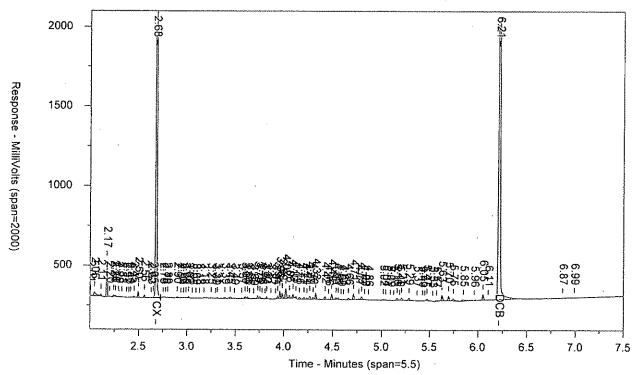
Calibration File: 25PCBS1611601B.CAL

RTB	Compound B	Height B	Area B
2.007		3048	1744
2.047		26102	39792
2.114		13156	7523
2.173		223890	137158
2.201		2981	1556
2.243		10246	6342
2.261		6763	4057
2.292		4266	
2.327			4678
2.375		3536	2008
		3734	2680
2.399		1719	1271
2.415		3326	2962
2.453		8497	5417
2.496		38505	24969
2.56		19651	12788
2.632		2269	4731
2.653		7738	4211
2.68	TCX	7682534	4430138
2.755		2114	1007
2.78		2462	1555
2.8		4998	2788
2.9		8577	6581
2.938		986	590
2.965		2615	1901
2.989		3995	2064
3,017		8269	5629
3.054		1707	1714
3.092		2464	1260
3.13		2296	2383
3.177		3422	3074
3.25		5960	3353
3.297		2260	1498
3.315		7763	4241
3,393		8324	7776
3.447		10420	14416
3.491		3129	3533
3,568		5318	4579
3.602		12151	6782
3.627		11645	7175
3.646		4111	2238
3.69		981	1318
3.732		18522	11151
3.755		14471	8170
3.777		7588	4778
3.808		2913	1344
3.824		14248	7913
3.868		4732	3431
3.915		3214	2749
3.937		16854	10037
3.96		47011	29085
3.985	•	33973	20243
4.022		59930	20243 51196
4.059		17192	10795
4.096		25022	19220
7.000		ZUUZZ	13220

RT B	Compound B	Height B	Area B
4.126		13229	7187
4.161		9668	9661
4.207		11476	8713
4.237		7128	5118
4.266		20194	15003
4.3		12557	8154
4.327		39790	30546
4.422		19335	19591
4.458		4660	3342
4.491		35775	26402
4.535		10801	6834
4.558		10312	7085
4.587		2765	1749
4.612		2623	2384
4.663		10048	10908
4.714		35406	27252
4.768		6886	4024
4.794	•	18673	15481
4.825		3282	1849
4.864		2608	1869
5,018		5814	4544
5.043		5331	4069
5.092		3446	2685
5.127		2109	1819
5.164		13407	11407
5.191		2355	1454
5.211		14211	11608
5.287		15108	12602
5.371		1843	3173
5,427		2717	1908
5.451		1185	755
5.472		10645	11704
5.532		3901	3891
5.571		4639	8621
5.629		33916	30772
5.696		27312	22441
5.745		11977	23081
5.85		8065	18376
5.961		727	2547
6.051		34980	30265
6.105		1067	1334
6.213	DCB	4414690	3945535
6.868		1153	2541
6.989		915	465
		0	



\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16116007B.0007.RAW



#### Chrom Perfect Chromatogram Report

10225

#### LANCASTER LABORATORIES

Instrument ID: CP25-18274

Sample Number: BLANKA 5/5/16 ACF ABPBLK01126 BLK 161260001A

SW-846 8082

Injected On: 5/6/2016 10:05:45 AM

Sample Weight: 30 Dilution Factor: 10

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 9065

RTA	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.023	5920736	10.917	TCX	2.68	7682534	11.629	TCX
6.775	2840732	10.588	DCB	6.213	4414690	11.26	DCB

#### Files

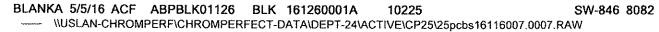
Area File: 25pcbs16116007.0007.RAW Area File: 25pcbs16116007B,0007.RAW

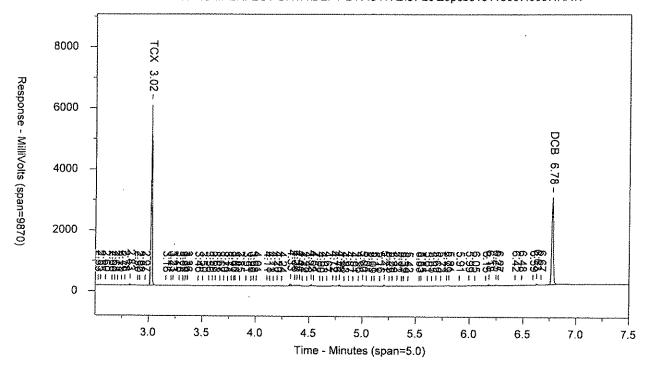
Method A: 25PCBS.MET Method B: 25PCBSB.MET

Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

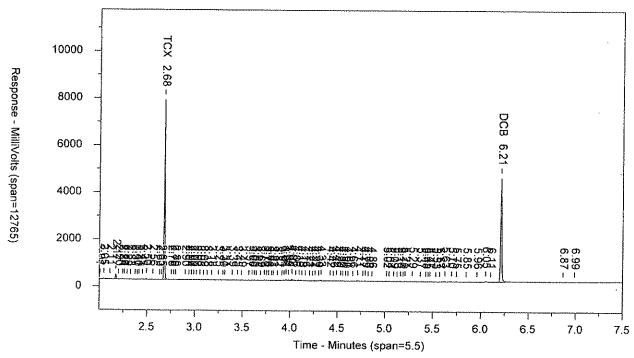
Format A: pestD25.FMTA Format B: pestD25.FMTB

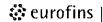
Area File Created On: 5/6/2016 10:14:16 AM File Reported On: 5/6/2016 at 10:14:24 AM





#### \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16116007B.0007.RAW





Lancaster Laboratories Environmental

#### **Data Summary**

Sample Name: LCSA

5/5/16 ACF

Sample Amount: 30

Total Volume:

10 ml Analyst: 9065

State:

Analyses: 10225

Analys	IS	Кe	od	n ı	(A)
		**********		*****	••••

May 06, 2016 10:17:09

Instrument 18274A

Result file 25PCBS16116007.0008.RAW

Calibration file 25PCBS1611601

Method file 25PCBS

%SSR(TCX) %SSR(DCB)

Injected on

105% (46 - 148) Conc: 10.26386 108% (49 - 139) Conc: 10.52583

**Analysis Report (B)** 

Injected on

May 06, 2016 10:17:09

18274B Instrument

Result file 25PCBS16116007B.0008.RAW

Calibration file 25PCBS1611601B

LCS01126 LCS Sample ID: AB Batchnumber: 161260001A

SDG:

Method file

25PCBSB

%SSR(TCX) %SSR(DCB) 110% (46 - 148) Conc: 10.71206

115% (49 - 139) Conc: 11.24099

Height

Single Component Data

Compound Tetrachioro-m-xylene Decachlorobiphenyl

Min 3.02 6.74 6.77

<u>Height</u> Max 3.05 5566320 6.80 2823948

<u>Amount</u> Compound 10.26386 Tetrachloro-m-xylene 10.52583 Decachiorobiphenyl

Min 2.65 6.18

2.68 2.71 7076613 6.21 6.24 4407315

Comments

Max

Amount 10.71206 11.24099

2

3

4

5

2 3

Pks %RSD Peak 2.98

Single Component Summary

Compound Name Tetrachloro-m-xylene Decachlorobiphenyl

Column **Amount Found** 10.71206 В В 11.24099

MDL %RPD Qualifiers 4.27 6.57

**Multiple Component Data** 

Min	RT	Max	<u>Height</u>	Amount	Pks	%RSD Peak	<u>Min</u>	RT	Max	Height	<u>Amount</u>
Aroclor-1	016					2.57	Aroclor-1	016			
3.27	3.28	3.31	1421909	142.942184		1	2.95	2.96	2.99	1697738	158.296612
3.48	3.50	3.52	1512501	145.945312		2	3,28	3.30	3.32	2171333	162.760401
3.60	3.62	3.64	1807812	144.441503		3	3.47	3.49	3.51	2528581	169.726369
3.83	3.84	3.87	2163946	152.524179		4	3.55	3.56	3.59	2629883	169.661644
3.89	3.90	3.93	1883100	151.236387		5	3.71	3.73	3.75	2209009	166.598187
4.09	4.10	4.13	1402121	147.79687		6	3,80	3.82	3.84	1879964	171.160069
Height si	ummat	ion:	10191389				Height s	ummat	ion:	13116508	
Concenti	ration	CF:	147.481073	L:			Concent	ration	CF:	166.367214	L:

LOQ

Arocior-1260			6.94	Aroclor-1260				3.76
4.89 4.91 4.93	2909098	150.661079	1	4.40 4.42	4.44	4564158	179.473527	
5.19 5.20 5.23	1837714	153.299053	2	4.54 4.55	4.58	5352185	178.76176	
5.36 5.38 5.40	2056146	159.667358	3	4.64 4.66	4.68	4542090	183.379739	
5.53 5,54 5.57	2115814	132.787166	4	5.00 5.01	5.04	3417292	189.33697	
5.77 5.78 5.81	5505458	162.860711	5	5.19 5.21	5.23	8180820	196.10784	
5.97 5.99 6.01	2966530	155.374826	6	5.45 5.47	5.49	5362256	191.599138	
Height summation:	17390760			Height summat	ion:	31418801		
Concentration CF:	152.441699	L:		Concentration	CF:	186.443162	L:	

1	ancaster Labor Invironmental	ratories	Dat	a Su	mmary		
Sample Name: Le Sample Amount: 3		5/16 ACF Total Volume				:AB Batchn SDG:	number: 161260001A State:
Analyses: 10225							
Analysis Report (	<u>(A)</u>			-	Analysis Re	port (B)	
instrument 1827	CBS16116007.0 CBS1611601				Injected on Instrument Result file Calibration file Method file		16007B.0008.RAW
Multiple Compo							No. of Hits
Compound Name	***************************************	Amount Found	<u>LOQ</u>	MDL	Qualifiers	•	Required Comments
Aroclor-1016	<u>B</u>	166.367214	17 <17	3.3 <5.1		12.04	4 3 4 4 4 4 4 4 4
Aroclor-1221			<17	<u> </u>			<u>3</u>
Aroclor-1232			<17	<u> </u>			4
Aroclor-1248	delimination		<17	<3.3		, , , , , , , , , , , , , , , , , , ,	4
Aroclor-1254			<17	<4.4			4
Aroclor-1260	В	186.443162	17	3.9		20.07	4
Aroclor-1262			<17	<3.3			4
Aroclor-1268	***************************************		<17	<3.3			4 Harriston
Total PCBs	A	352.810376	17	3.3		name from	agriculation .
Units: ug/kg	,						•
%RPD = High - Low A	Amount divided t	Average tim	nes 100			•	
Reviewed by:	Kirby B. Turne	mist			Verified by: _		
Date:	<b>P</b>	MAY 06	2016		Date: _		Milla D. Hamilton

MAY 0 6 2016

### Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSA 5/5/16 ACF LCS01126 Sample ID: AB Sample Amount: 30 g Total Volume: 10 ml Analyst: 9065 SDG: State:

Analyses: 10225

Analysis Report (A)				Analysis Report (B)					
Injected on : May 06, 2016 Instrument : P 2518274A Result file : 25PCBS16116				Injected on Instrument Result file	: May 06, 2016 : P 25-182748		٨١		
Calibration file : 25PCBS16116 Method file : 25PCBS.MET	601.CAL			Calibration file Method file	: 25PCB\$1611 : 25PCB\$B,MI	601B.CAL	•		
%SSR(TCX) : 105% (46-14	•			%SSR(TCX)	: (110% (46-)14				
%\$&P(POB) : 108% (49-13	39) Conc.: 10.5	52583		%SSR(DCB)	: (115% (49-13	39) Conc.:	11.240	999	
		<u>ks %RSD Pe</u>	<u>ak</u>	Mih R.T. Max	<u>Height</u>	<u>Amount</u>	Pks	%RSD P	<u>eak</u>
Aroclor-1016 / 8.27 3.28 3.31 1421909 1	142.942184	2.57	1	Arocibr-1016	4007700	450 000040	6	2.98	
1,21323	145.945312		2	2.95 2.96 2.99 3.28 3.30 3.32		158.296612 162.760401			1 2
	73.622428		2	3.47 3.49 3.51		169.726369			3
	144.441503		3	3.55 3.56 3.59		169.661644			4
	152.524179		4	3.71 3.73 3.75		166.598187			5
	151.236387		5	+ 3.71 3.75 3.75		64.595857			5
4.09 4.10 4.13 1402121 1 Height Summation: 10191389	147.79687		6	3.80 3.82 3.84		171.160069			6
Amount Avg CF: 147.481072	Linear:			Height Summation: Amount Avg CF:	18116508 166.367214	Linear:			
				~	100:3072	· ) Linear.			
Aroclor-1221	45 530770	38.88		Aroclor-1221	2000	/ 	3	37.54	
	45.538779 72.594347		1 2	2.83 2.85 2.87 E 2.89 2.91 2.93		47.280726 96.231353			1 2
	102.761773		3	E 2.95 2.96 2.99		104.985477			3
Height Summation: 1984161.6			-	Height Summation:	2349956.4				J
Amount Avg CF: 73.631633	Linear:			Amount Avg CF:	82.832519	Linear:			
Aroclor-1232	6	29.07		Aroclor-1232			6	31.00	
and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	120.188426	25.07	1	E 2.94 2.96 2.98	.1697738	128.478693	ь	31.00	1
	314.347975		2	E 3.28 3.30 3.32		344.860485			2
	158,573516		2	E 3.47 3.49 3.51		374.52719			3
	299.618891		3	E 3.55 3.56 3.59		384.917162			4
	323.12435 324.523581		4 5	E 3.71 3.73 3.75 E 3.80 3.82 3.84		410.083864 385.005785			5 6
	347.443217		6	Height Summation:	1879964 13116508	363.003763			0
Height Summation: 10191389			_	Amount Avg CF:	337.978863	Linear:			
Amount Avg CF: 288.20774	Linear:			, "					
Aroclor-1242	6	4.62		Aroclor-1242 E 2.94 2.96 2.98	1697738	206.896896	6	4.70	1
	191.483167	4.02	1	E 3.28 3.30 3.32		224.928303			2
	192.157319		2	E 3.47 3.49 3.51		237.870364			3
	96.934175		2	E 3.55 3.56 3.59		232.94276			4
	196.974471		3	E 3.71 3.73 3.75		228.390392			5
	213.289846 209.868535		4 5	+ 3.80 3.80 3.84 E 3.80 3.82 3.84		57.448296 224.098166			6 6
	196.739624		ě	Height Summation:	13116508	224.030100			U
Height Summation: 10191389				Amount Avg CF:	225.85448	Linear:			
Amount Avg CF: 200.085494	Linear:			-			_		
Aroclor-1248	6	46.43		Arocior-1248 3.58 3.60 3.62	1744076	115.068408	6	25.54	1
	265.849244	40.40	1	3.71 3.73 3.75		117.897451			2
3.95 3.97 3.99 1289616 1	105.13421		2	+ 3.80 3.80 3.84		36.789853			3
	04.074362		3	3.80 3.82 3.84		143.512326			3
	21.187022  33.017847		4 5	3.94 3.96 3.98 +4.30 4.31 4.34		97.666401			4
	39.977038		5	+ 4.30 4.31 4.34		18.658729 36.622254			5 5
	7.937581		6	4.30 4.34 4.34		27.193419			5
Height Summation: 8241277.6				4.47 4.49 4.51		51.779242			6
Amount Avg CF: 137.866711	Linear:			Height Summation:	10055950.5				
				Amount Avg CF:	110.519541	Linear:			

#### Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSA 5/5/16 ACF LCS01126 Sample ID: AB Batchnumber: 161260001A Sample Amount: 30 Total Volume: 10 Analyst: 9065 SDG: q Analyses: 10225 Analysis Report (A) Analysis Report (B) Injected on : May 06, 2016 10:17:09 Injected on : May 06, 2016 10:17:09 Instrument P 25--18274A Instrument P 25--18274B Result file 25PCBS16116007.0008.RAW Result file 25PCBS16116007B.0008.RAW Calibration file : 25PCBS1611601.CAL Calibration file 25PCBS1611601B.CAL Method file : 25PCBS.MET Method file : 25PCBSB.MET Min R.T. Min R.T. Max Height Pks %RSD Peak Amount Max <u>Height</u> <u>Amount</u> Pks %RSD Peak Aroclor-1254 114.33 Aroclor-1254 125.47 4.34 4.36 4.38 1395790 96.059093 4.24 4.26 4.28 24.583933 481770.4 + 4.34 4.38 4.38 28.869495 + 4.31 4.31 419489 2 1 4 35 15.578102 500641.6 2 + 4.70 4.72 4.74 150365.8 10.545523 2 +4.31 4.32 4.35 376800.3 11.724622 4.70 4.73 4.74 315194 22,105329 2 4.31 4.34 4.35 1308672 40.720998 4.76 4.78 4.80 32.963133 3 876833.6 4.40 4.42 4,44 4564158 303.078585 3 E 4.89 4.91 4.93 2909098 338.582831 4.47 4.49 4 4.51 18.410865 410423.5 4.98 5.00 5.02 26.522093 5 E 4.54 4.55 4.58 480288.8 5352185 413.634764 5 5.19 5.20 5.23 1837714 117.803503 4.69 4.72 4.73 490447.5 31.252326 6 Height Summation: 7814918.4 Height Summation: 12607656.4 105.689331 Amount Avg CF: Linear: Amount Avg Ch 138.613579 Linear: Ároclor-1260 Arocior-1260/ 6.94 3.76 4.89 4.91 4.93 2909098 150.661079 4.40 4.42 4.44 179.473527 4564158 5.19/5.20 5.23 1837714 153.299053 2 4.54_4.55 4.58 178 76176 5352185 2 5.36 5.38 5.40 3 159.667358 4.64 4.66 2056146 4.68 4542090 183,379739 3 5.53 5.54 5.57 132 787166 2115814 4 5.00 5.01 5.04 189.33697 3417292 5.78 5.81 5505458 162,860711 5 5.19 5.21 5.23 8180820 196.10784 5 5.97 5.99 6.01 2966530 155.374826 5.45 5.47 5.49 5362256 491.599138 6 Height Summation: 17390760 Height Summation: **21418801** Amount Avg CF: 152,441699 Linear: 186.443162 Amount Avg CF: Linear Aroclor-1262 36.73 Aroclor-1262 26.28 E 5.36 5.38 5.40 84.100079 2056146 E 4.80 4.82 4.84 2714404 87,499549 E 5.53 5.54 5 57 105.361169 2115814 2 E 5.00 5.01 5.04 3417292 111.561968 2 E 5.76 5.78 E 5.19 5.21 5.80 5505458 119.833949 3 5.23 132,989676 3 8180820 E 5.97 5.99 6.01 2966530 115.916596 5.41 5.42 5.44 64.192189 1495358 4 + 6.02 6.03 6.06 17.073909 235930.6 5 E 5.45 5.47 5.49 5362256 132,573974 ĸ 6.02 6.04 6.06 418862.7 30.312403 5 E 5.83 5.85 5.87 1834262 92.506832 6 E 6,40 6,42 6,44 83.330171 1330657 6 Height Summation: 23004392 Height Summation: 14393467.7 103.554031 Amount Avg CF: Linear: 89.809061 Amount Avg CF: Linear: Aroclor-1268 119.49 Aroclor-1268 5.41 5.42 5.44 121,71 1495358 22.924004 5.97 5.99 6.01 2966530 61.772112 E 5.45 5.47 5.49 84.374527 5362256 2 + 6.03 6.03 6.07 235930.6 5.753269 2 5.61 5.63 1.920449 5.65 103212.7 3 6.03 6.04 6.07 10.214147 418862.7 2 5.68 5 69 5 72 73283.88 5.835814 4 6.16 6.17 6.20 91315.29 2.273341 E 5.83 5.85 5.87 1834262 90.015078

Summary Report         Compound Name         Column         Higher Amount Found         LOQ         MDL         Qualifiers         %Difference         No of Hits Required %RSD         Max RSD         Comments           Aroclor-1016         17         3.3         12.04         4         40           Aroclor-1221         17         5.1         E         11.76         3         5           Aroclor-1232         17         4.1         E         15.90         4         10           Aroclor-1242         17         4.1         E         12.10         4         30           Aroclor-1248         17         3.3         22.02         4         40           Aroclor-1254         17         4.4         E         26.95         4         40           Aroclor-1260         17         3.9         20.07         4         40	6.22 6.24 6.26 E 6.40 6.42 6.44 6.60 6.62 6.64 Height Summation: Amount Avg CF:	1330657 82.822762	4 5 6	6.03 6. Height Summ Amount Avg	nation: 93	6625.5 24998.08 34,67121	2.957420 6 Line		6
Arocior-1262 17 3.3 E 14.22 4 40	Compound Name Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	Column Higher Amount Found	17 17 17 17 17 17 17 17	3.3	12.04 11.76 15.90 12.10 22.02 26.95	Required 4 3 4 4 4 4	%RSD 40 - 10 - 10 - 40 - 40 - 40 - 10 - 10 -	Comments	

#### Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name:

LCSA 5/5/16 ACF

g

LCS01126 Sample ID: AB

Batchnumber: 161260001A

Sample Amount: 30

Total Volume: 10

m Analyst: 9065 SDG:

Analyses: 10225

Analysis Report (A)

: May 06, 2016 10:17:09 : P 25-18274A

: 25PCBS.MET

: 25PCBS16116007.0008.RAW

: 25PCBS1611601.CAL

Injected on

May 06, 2016 10:17:09 P 25--18274B

Instrument

Result file

Analysis Report (B)

: 25PCBS16116007B.0008.RAW

Calibration file

Method file

: 25PCBS1611601B.CAL

: 25PCBSB.MET

**Summary Report** 

Compound Name

Calibration file

Injected on

Instrument

Result file

Method file

Column Higher Amount Found

17

<u>3.3</u> _E

19.46

Qualifiers %Difference No of Hits Max Required %RSD

Comments

Aroclor-1268 Units: ug/kg

#### LANCASTER LABORATORIES

Sample Number: LCSA 5/5/16 ACF ABLCS01126 LCS 161260001A 10225

SW-846 8082

Injected On: 5/6/2016 10:17:09 AM

Injection Volume: 1 ul

Instrument ID: CP25-18274

Analyst: 9065

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Date File: 25pcbs16116007.0008.RAW

Method File: 25PCBS.MET

Calibration File: 25PCBS1611601.CAL

RT A	Compound A	Height A	Агеа А
2.01		2301	1318
2.043		5381	4414
2.073		6100	4273
2.104		1941	888
2.122		10292	9696
2.175		3916	5485
2.19		2748	1845
2.217		320159	224116
2,288		21198	11907
2.306		27019	18449
2.396		21219	13080
2.419		13888	8952
2.446		1791	1036
2,478		175502	119984
2.508		1518	760
2.524		4231	2596
2.551		6272	4383
2.594		9978	9096
2.657		21409	14617
2.71		2038	1370
2.746		2867	2947
2.791		10168	7524
2.825		39316	29458
2.938		2937	1999
2.967		6996	4198
3.021	TCX	5566320	3833001
3.174		237645	208935
3.206		3418	1633
3.233		324608	231745
3.282		1421909	1007435
3.334		2807	2401
3.358		5954	2751
3.377		192787	135075
3.416		6256	4176
3.5		1512501	920888
3.517		762984	408262
3.555		197237	117360
3.571		61343	26714
3.588		148976	88415
3.619		1807812	1343064
3.654		11567	6237
3.67		9012	4429
3,694		81343	57849
3,73		447328	262117
3.746		229645	119106
3.791		1123216	596850
3.803		1885345	1040707
3.842		2163947	1697290
3.905		1883100	1508629
3.946		155847	107418
3.972		1289616	939893
4		1127640	1542822
4.102		1402121	1050616
4.127		517571	336598

RTA	Compound A	Height A	Area A
4.159		567451	424187
4.196		1393817	1518724
4.237		454860	386239
4.283		80194	63274
4.323		124133	123429
4.359		1395790	1071562
4.381		419489	246874
4.405		432013	327005
4.474		225179	203446
4.518		1391155	1314528
4.553		26527	15176
4.594		2545	1777
4.619		13160	10863
4.664		105105	100038
4.717		150366	103798
4.733		315194	221144
4.78		876834	821054
4.826		1366060	1539341
4.866		338039	253665
4.905		2909098	2743130
4.956		12105	9359
4.998		480289	545413
5.03		29999	18827
5.056		534096	516536
5.109		3416930	4286181
5.16	•	705304	620516
5.203		1837714	1965822
5.245		19667	10611
5,283		348462	412232
5.318		4016098	4453026
5.38		2056146	1866122
5.423		1335393	1276685
5,521		183741	178560
5.545		2115814	1891074
5.603		1162796	1071549
5.643		636861	531856
5.683		150859	139362
5.727		899684	849614
5.783		5505458	5767332
5.989		2966531	3178473
6.027		235931	242823
6.042		418863	294361
6.175		91315	91362
6.237		106760	80634
6.263		552332	516758
6.344		2654	7031
6.419		1330657	1331853
6.463		85508	81532
6.62	DOD	365634	370944
6.767	DCB	2823948	3018544

#### LANCASTER LABORATORIES

Sample Number: LCSA 5/5/16 ACF ABLCS01126 LCS 161260001A 10225 SW-846 8082

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

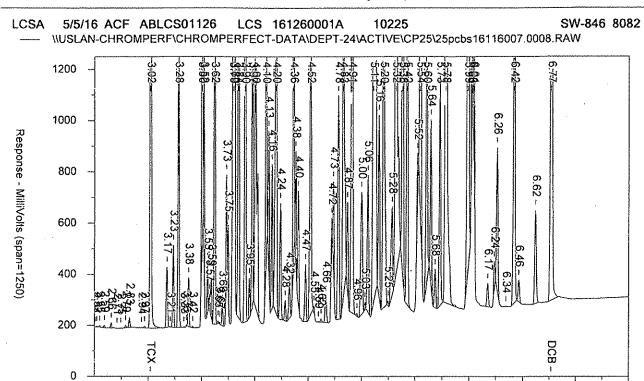
Data File: 25pcbs16116007B,0008.RAW

Method File: 25PCBSB.MET

Calibration File: 25PCBS1611601B.CAL

RT B	Compound B	Height B	Area B
2.048	· · · · · · · · · · · · · · · · · · ·	25081	32253
2.114		13230	8721
2.174		168351	105168
2.242		6442	4456
2.261		7303	4267
2.293		3436	3902
2.327		2796	1900
2.361		16002	11186
2.426		3013	4778
2.452		7405	4222
2.496		33160	20262
2.598		1044	493
2.634		3302	1834
2.652		6758	3649
2.679	TCX	7076613	4181046
2.722		131404	91459
2.774		1650	1321
2.799		4211	2325
2.85		298386	190039
2.912		353832	216477
2.964		1697738	1011226
3.016		7636	4987
3.076		213646	132895
3.129		2123	2228
3,172		2264037	2092305
3.224		268018	162699
3.246		119131	67431
3.272		198521	106509
3.296		2171333	1412030
3.333		71370	40335
3.379		600638	320780
3.395		368183	176739
3.423		3547	1886
3.446		1631796	752948
3.456		3038418	1273987
3,49		2528581	1847387
3.565		2629883	1574887
3.599		1744076	1036610
3.623		1936318	1057018
3.642		640460	332039
3.728		2209009	1427834
3.752		856509	459275
3.773		766622	442438
3,803		481935	249493
3.821		1879964	1108909
3.864		591056	431231
3.912		78785	64062
3.934		496964	292576
3.956		2503806	1567588
3.982		511261	313712
4.002		69297	31881
4.02	•	291046	181944
4.056		1934856	1275623
4.092		79249	48784

~	<del></del>		~~~~~
RTB	Compound B	Height B	Area B
4.108		133205	94683
4.168		14803	17803
4.204		108999	81318
4.235		3826	3039
4.262		481770	337963
4,306		500642	291592
4.324		376800	190082
4.337		1308673	764886
4.364		795338	784955
4.416		4564158	3290621
4.464		54814	40160
4.487		410424	271606
4.511		964521	688179
4.555		5352185	4069066
4.66		. 4542090	3954680
4.715		490448	404033
4.753		1117353	916040
4.79		5296789	4370248
4.822		2714405	1844423
4.861		1833243	1391114
4.929		6001	5509
4.963		622618	614548
5.014		3417292	2650414
5.039		392881	270231
5.089		1718977	1477069
5.126		811886	619353
5.153		553916	472879
5,186		234997	135448
5.208		8180820	6341189
5.249		142138	102153
5.283		268648	220799
5.399		82766	51767
5.423		1495358	1218983
5.469		5362256	5288298
5.564		5843	9590
5.626		103213	87705
5.668		118359	88708
5,693 5,742		73284	53919
5.74Z 5.847		804848	706504
5.878		183 <b>4262</b> 90636	1468513
6.048		456626	62998 400304
6.209	DCB	4407315	3864512
6.695	500	1926	3431
6.826		1032	1564
6,921		1004	3275
U. 32. 1		1004	3713





4.5

5.0

Time - Minutes (span=5.0)

5.5

6.0

6.5

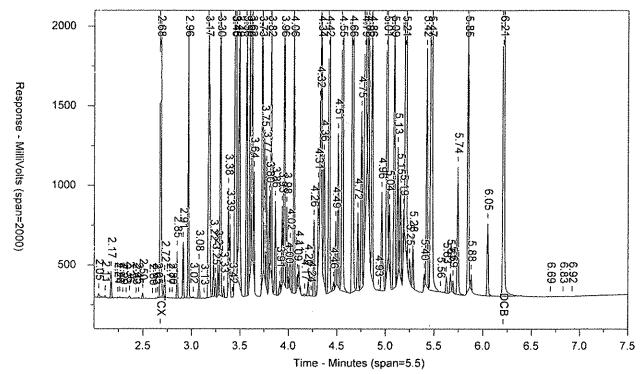
7.0

7.5

3.0

3.5

4.0



#### Chrom Perfect Chromatogram Report

#### LANCASTER LABORATORIES

Sample Number: LCSA 5/5/16 ACF ABLCS01126 LCS 161260001A 10225

SW-846 8082

Injected On: 5/6/2016 10:17:09 AM

Sample Weight: 30 Dilution Factor: 10

Instrument ID: CP25-18274

Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min

Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um • Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

Threshold: 4

Calibration Type: external Quantitation: Height

Analyst: 9065

RTA	Height A	Amount A - PPB	Compound A	 RT B	Height B	Amount B - PPB	Compound B
3.021	5566320	10.264	TCX	2.679	7076613	10,712	TCX
6.767	2823948	10.526	DCB	6.209	4407315	11.241	DCB

#### Files:

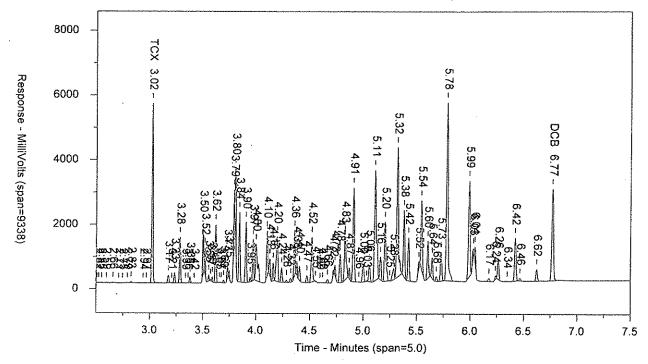
Area File: 25pcbs16116007,0008,RAW Area File: 25pcbs16116007B.0008,RAW

Method A: 25PCBS.MET Method B: 25PCBSB.MET

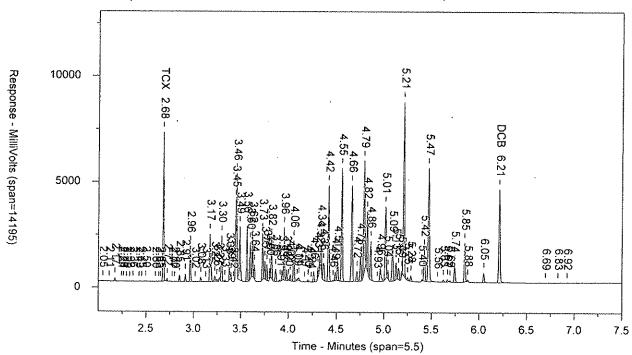
Calibration File A: 25PCBS1611601.CAL Calibration File B: 25PCBS1611601B.CAL

Format A: pestD25.FMTA Format B: pestD25.FMTB

Area File Created On: 5/6/2016 10:25:40 AM File Reported On: 5/6/2016 at 10:25:46 AM



- \\USLAN-CHROMPERF\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16116007B.0008.RAW



# Extraction/Distillation/Digestion Logs Polychlorinated Biphenyls (PCBs)

Organic Ext  Organic Ext  OC  8363972MSD  8363972MSD  8363972MSD  8363972MSD  8363972MSD  8363971MSD  18356200  28363971MSD  18356200  28363971MSD  18356782  A8366782  A8366782  A8366782  A8366782  AB366782  OF = Dilution F8	Extraction Batchlog Assigned to: 504 Sally Appleyard Reviewed by: 1/4/106     Start time: 1/4/106       1/260001A     Tech 1: 8/4-60	Sample   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   April   Apr	Myss xis	Rack ID:    Work Station Standard   Work Station Standard   Balance #   S   1007   Documented temps are NIST corrected.
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------	-------------------------------------------------------------------------------------------------------------------------

#### Prep-Process Worksheet

Florisil

Prep: 00819 Solid Sample Pesticide Extract

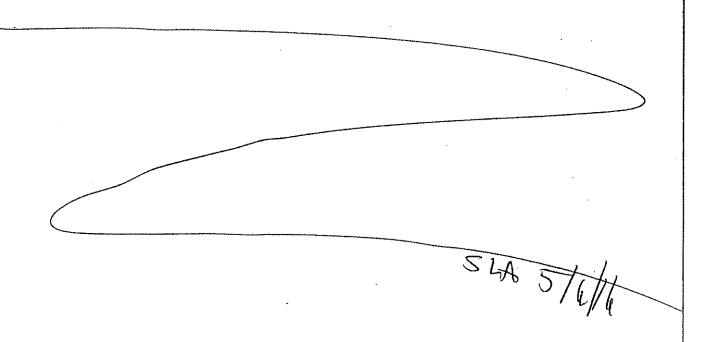
Batch: 161260001A

Start Date: 100 S

Tech 1: 5 51-6W

Tech 2:

					Final Volu	me	D.F.		
5	Sample #	QC	Aliquot (mL)		(mL)	Aliq	F.V.	Comments	Analyses
1	8355820		W	, D	2,0				10225
2	8363971		-α						10225
3	8363972			1					10225
4	8363972	MS			1				10225
5	8363972	MSD		1	1 1				10225
6	8366782		Ì	1					10225
7	BLANKA			<b>1</b>	T V				
8	LCSA			V	1 V		1		<u> </u>



Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solv	ent Used	j j.c	t No.
		Ē	2404	{} HI	101/CX
		<u> </u>		* /	
*		<b>†</b>			
S-Evap/bath	C S-Evap/b	ath	С	N-Evap	C

The documented temperatures are NIST corrected.

Page 1 of 1

#### Prep-Process Worksheet

#### Acid Cleanup

Prep: 00819 Solid Sample Pesticide Extract

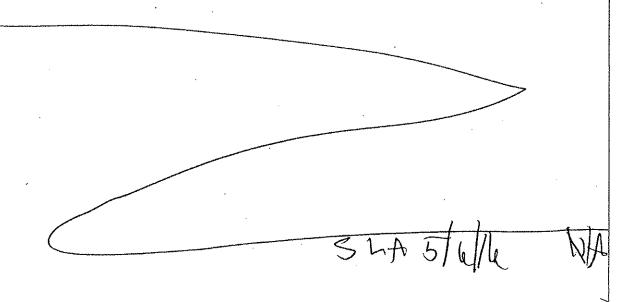
Batch No: 161260001A

Verified: KAT 7065
Start Date: 5 6 / 6

Start Time: 17373 Tech 1:

Tech 2:

					Fina	al Vo	lume	D	.F.		
Sample #		QC	Aliquot (g)		(mL)		Aliq	F.V.	Comments	Analyses	
1	8355820			0.0	1	0.	, δ				10225
2	8363971			7	1						10225
3	8363972			1		1	····				10225
4	8363972	MS		1							10225
5	8363972	MSD					······································				10225
6	8366782	1	······			1					10225
· 7	BLANKA			<u> </u>		1					
8	LCSA	1	<del></del>	t	1	1	**************************************		· · · · · · · · · · · · · · · · · · ·		



**Additional Comment:** 

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		115114	134902
		1/0	£ 3 . 101
·		′	

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#### Prep-Process Worksheet

#### Copper

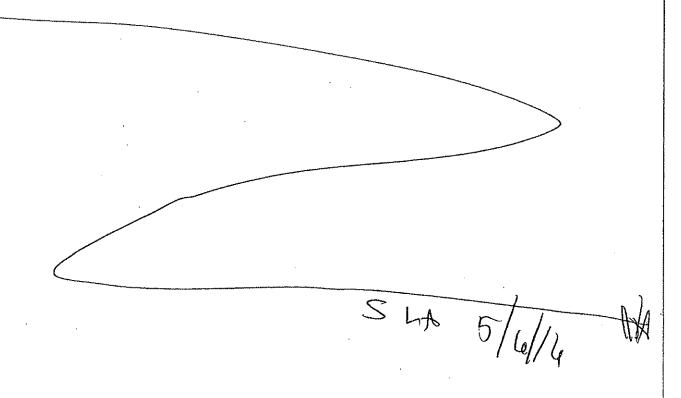
Prep: 00819 Solid Sample Pesticide Extract

Batch No: 161260001A

Verified: 1/31, 9065
Start Date: Start Time: Tech 1: SLA-504

Tech 2:

			***************************************		Final V	olume	D	.F.		
s	Sample #	QC	Aliquot	t (g)	(m	(mL)		F.V.	Comments	Analyses
1	8355820		1.1	)		0				10225
2	8363971			£		····				10225
3	8363972				1.1					10225
4	8363972	MS								10225
5	8363972	MSD	\						·	10225
6	8366782				1					10225
7	BLANKA			:	1	(				
8	LCSA			,	<u> </u>	1	<u> </u>			



Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.	
•		(100)	014/2013	M
• 1			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	· i
		•		

Page 1 of 1

# **Instrumental Wet Chemistry Data**

# Case Narrative/Conformance Summary Instrumental Wet Chemistry



#### **Case Narrative/Conformance Summary**

CLIENT: Stantec SDG: ATB68

**Instrumental Water Quality** Fraction: Instrumental Wet Chemistry

Matrix

 Sample #
 Client ID
 Liquid
 Solid
 DF
 Comments

 8366782
 B-17-W(9.0-9.3)
 X
 1

See QC Reference List for Associated Batch QC Samples

#### **SAMPLE RECEIPT:**

Samples were received in good condition and within temperature requirements.

#### **HOLDING TIME:**

All holding times were met.

#### PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

#### CALIBRATION/STANDARDIZATION:

All criteria were met.

#### **QUALITY CONTROL AND NONCONFORMANCE SUMMARY:**

#### MS/MSD

Matrix QC may not be included if site-specific QC were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, laboratory spike data (LCS) are provided.

#### Sample Duplicate

Method defined actions are taken for any failed matrix QC.

Batch#: 16127912201A (Sample number(s): 8366782, BKG: 8366782)
The duplicate RPD for the following analyte(s) is outside the acceptance window:
Moisture



### **Case Narrative/Conformance Summary**

CLIENT: Stantec SDG: ATB68

**Instrumental Water Quality** Fraction: Instrumental Wet Chemistry

#### **SAMPLE ANALYSIS:**

No problems were encountered with the analysis of the samples.

#### **Abbreviation Key**

U = Unspiked (for MS/MSD)	LOQ = Limit of Quantitation
R = Matrix Spike (MS)	MDL = Method Detection Limit
M = Matrix Spike Duplicate (MSD)	ND = Not Detected
BKG = Background (for Duplicate)	J = Estimated Value
D = Duplicate (DUP)	NA = Not Applicable
HS = High Spike	ME = Method
LS = Low Spike	CO = Colorimetric
SS = Soluble Spike	G = Gravimetric
IS = Insoluble Spike	IR = Infrared Spectrophotometry
ISD = Insoluble Spike Duplicate	MTR = Meter
PDS = Post Digestion Spike	OD = Oven Dried
* = Out of Specification	TI = Titration
V = Visual	TOC = Total Organic Carbon
AK = Alpkem	IC = Ion Chromatography
TC = Total Carbon	RA = Rapid Analyzer

# **Quality Control and Calibration Summary Forms**

**Instrumental Wet Chemistry** 



#### **Quality Control Reference List Instrumental Water Quality**

CLIENT: Stantec SDG: ATB68

**Fraction: Instrumental Wet Chemistry** 

 Analysis
 Batch Number
 Sample Number
 Analysis Date

 Moisture
 16127912201A
 16127Q
 05/06/2016 06:23:00

 8366782 BKG
 05/06/2016 06:54:00
 8366782 DUP
 05/06/2016 07:11:00

6/2/2016 3:41:35 PM Page 1 of 1



Quality Control Summary Duplicate

SDG: ATB68 Matrix: SOLID

## **Instrumental Water Quality Fraction: Instrumental Wet Chemistry**

BKG: 8366782	Batch: <b>16127912201A</b> (Sample number(s): 8366782)								
DUP: 8366782									
		Unspiked Conc	Conc DUP Conc						
Parameter	ME	%	%	%RPD	Limits				
Moisture	RA	9.17	12.37	30*	3				

#### Comments:

(1) The sample and/or duplicate result is less than five times the LOQ.

* = Out of Specification

Results are being reported on an as received basis.

6/2/2016 3:41:43 PM Page 1 of 1



Quality Control Summary Laboratory Control Standard (LCS) Laboratory Control Standard Duplicate(LCSD)

SDG: ATB68 Matrix: SOLID

**Instrumental Water Quality Fraction: Instrumental Wet Chemistry** 

LCS: Q16127Q	Batch:	Batch: 16127912201A (Sample number(s): 8366782)								
		Spike	LCS	LCSD						
		Added	Conc	Conc	LCS	LCSD	%Rec		%RPD	
Parameter	ME	%	%	%	%Rec	%Rec	Limits	%RPD	Limits	
Moisture	RA	100	99.42	NA	99	NA	98-101	NA	NA	

# Raw Data Instrumental Wet Chemistry



LOQ/MDL Summary Instrumental Water Quality

SDG: ATB68

Fraction: Instrumental Wet Chemistry

02111: Moisture	Default	Default	Units
Analyte Name	MDL	LOQ	
Moisture	1.0	1.0	%

Lancaster Laboratories & Environmental

#### Moisture

Batch No.:			9 1 2	2 0 1	5, 7119   A				
Date: 5-6-76 Init./Emp.: 7451213 Calib.: 1.999									
Sample No.	Sample Weight (g)	Dried Weight (g)	Calc. Value (%)	Time	Comments	SDG			
BKG	2.643	2.038	0-24876	0618					
LCSS	0.520	0.003	99.42 7.	0623					
8366782 6-1	2.051	1.863	9.17%	0454	^	ATB68			
8366782 DI	2.645	1.79)	12.37%	0711	Anna 14	F			
	<u></u>								
				Patriculari.					
			***************************************						
		· · · · · · · · · · · · · · · · · · ·							
			<u> </u>						
M									
			<u>/</u>						
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	$-/\parallel$								

Verified by:

ATB68 Page 329 124 5/4 10

1064.02

Page:

**215003 25** 

```
--- METTLER TOLED
                         -MOISTURE DETERMINATION-
                         Switchoff mode
                        Standard drying
                       Drying temp.
                                                                                        150 °C
                       Disp.mode 0...-100 XMC
                      Wet weight
                                                                                 1.999 g
                               1:00 min
                                                                      -0.15 KMC
                     Total time
                                                                                   1:21 min
                    Dry weight
                                                                                1.997 g
                    End result
                                                                              -0.10 %MC
                   ---05/06/2016---06:10---
                 -MOISTURE DETERMINATION-
                 Switchoff mode
                Standard drying
                Drying temp.
                                                                                   150 °C
               Disp.mode 0...-100 %MC
               Wet weight
                                                                         2.043 g
                       1:00 min
                                                                        -0.24 NMC
             Total time
                                                                         1:21 min
            Dry weight
                                                                       2.038 g
            End result
                                                                       -0.24 ZMC
                       05/06/2016---06:18---
puri dinono negliación politico de la company di nombre distributo de la company di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di nombre di no
        Standard drying
       Drying temp.
                                                                           150 °C
       Disp.mode 0...-100 %MC
       Wet weight
                                                                 0.520 g
               1:00 min
                                                             -27.50 WMC
              2:00 min
                                                           -58.27 %MC
             3:00 min
                                                            -83.46 MMC
             4:00 min
                                                          -99.42 %MC
```

Total time 4:35 min Dŕy weight 0.003 g End result -99.42 MMC ---95/96/2016---96:23----MOISTURE DETERMINATION-Switchoff mode 3 Standard drying Drying temp. 150 °C Disp.mode 0...-100 %MC Wet weight 2.051 q 1:00 min -3.56 %MC 2:00 min -7.85 油化 3:00 min -9.12 MMC Total time 3:32 min Dry weight 1.863 g End result -9.17 MC ---05/06/2016---06:54----MOISTURE DETERMINATION-Switchoff mode Standard drying Drying temp. 150 °C Disp.mode 0...-100 %MC Wet weight 2.045 q 1:00 min -4.99 ZMC 2:00 min -9.78 WMC 3:00 min -11.88 440 4:00 min -12.37 MMC Total time 4:16 min Dry weight 1.792 g End result -12.37 %MC

---05/06/2016---07:11---

### **Moisture Data**



CLIENT: Stantec SDG: ATB68

**MOISTURE** 

#### **SAMPLE NUMBERS:**

Sample # Sample Code

#### **COMMENTS:**

Method defined actions are taken for any failed matrix QC.

#### **Laboratory Compliance Quality Control**

LCS **LCSD** LCS/LCSD

%REC %REC **Analysis Name Limits** <u>RPD</u> **RPD Max** 

Batch number: Sample number(s):

**Sample Matrix Quality Control** 

**BKG** DUP

**Analysis Name** Conc Conc <u>RPD</u> RPD Max

Batch number: Sample number(s):

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

#### **Moisture Data Report**

#### Batch #:

			Sample	Analysis	Verified
Sample ID	Batch ID Analysis#	Tare Wt	Wt	%Moisture Date (Emp#)	Date (Emp#)